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(FILE 'HOME' ENTERED AT 14:46:35 ON 09 APR 2007)

FILE 'REGISTRY' ENTERED AT 14:46:47 ON 09 APR 2007

L1 STRUCTURE UPLOADED

L2 50 S L1

L3 2547 S L1 FULL

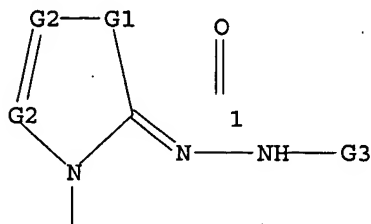
FILE 'CAPLUS' ENTERED AT 14:47:55 ON 09 APR 2007

L4 1280 S L3

L5 20 S L4 AND (KERATIN OR HAIR OR SILK OR WOOL)

=> d que 15 stat

L1 STR



G1 O,S,N

G2 C,N

G3 SO<sub>2</sub>,H,[@1]

Structure attributes must be viewed using STN Express query preparation.

L3 2547 SEA FILE=REGISTRY SSS FUL L1

L4 1280 SEA FILE=CAPLUS ABB=ON PLU=ON L3

L5 20 SEA FILE=CAPLUS ABB=ON PLU=ON L4 AND (KERATIN OR HAIR OR SILK OR WOOL)

=> d 1-20 bib abs hitstr

L5 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2007 ACS ON STN  
 AN 2006:922185 CAPLUS  
 DN 145:320760  
 TI Heterocyclic hydrazone and quinone compositions for coloring  
 keratin fibers  
 IN Pasquier, Cecile; Duc-Reichlin, Nadia; Braun, Hans-Jurgen  
 PA The Procter & Gamble Company, USA; Wella Aktien Gesellschaft  
 SO PCT Int. Appl., 30pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006094217	A2	20060908	WO 2006-US7685	20060302
WO 2006094217	A3	20070308		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, ME, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

EP 1754514 A1 20070221 EP 2005-4620 20050303

R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, LV, MK, YU

US 2007000073 A1 20070104 US 2006-366233 20060302

PRAI EP 2005-4620 A 20050303

OS MARPAT 145:320760

AB The present invention provides an agent for coloring keratin fibers which comprises at least one heterocyclic hydrazone derivative and at least one ortho-quinone of the formula or para-quinone of the formula and a method of coloring hair using this agent. A first component of a composition contained 3,4-dimethyl-2(3H)-thiazolone hydrazone-HCl and a second component contained 4,5-dimethoxy-3,5-cyclohexadiene-1,2-dione. This composition gave an intense red color to hair.

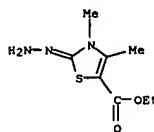
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 138485-20-8 138485-21-9 138485-22-0  
 139262-46-7 157559-65-4 676475-28-8  
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L5 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

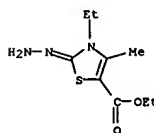
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RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (heterocyclic hydrazone and quinone compns. for coloring keratin fibers)

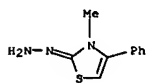
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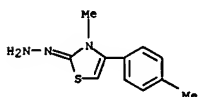


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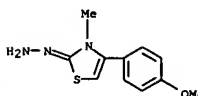


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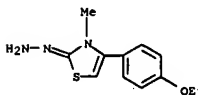
L5 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)  
 CN 2(3H)-Thiazolone, 3-methyl-4-(4-methylphenyl)-, hydrazone (9CI) (CA INDEX NAME)



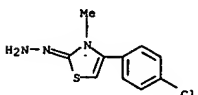
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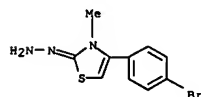


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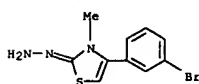


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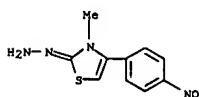
L5 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)



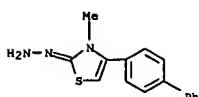
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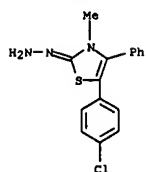


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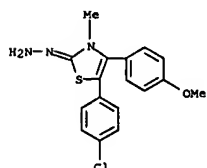


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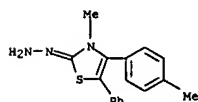
L5 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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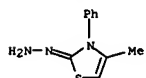


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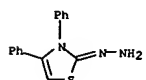


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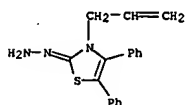
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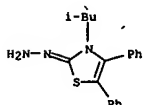
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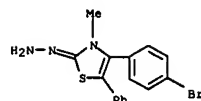


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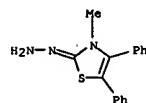


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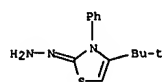
L5 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



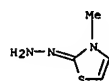
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CN 2(3H)-Thiazolone, 3-methyl-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 28218-95-3 CAPLUS  
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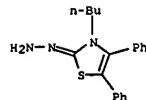


RN 28219-33-2 CAPLUS  
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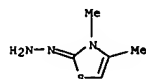


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L5 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

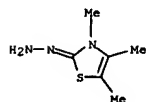


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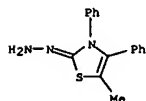
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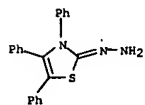


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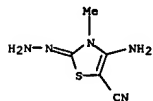
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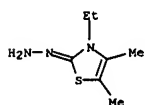
L5 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
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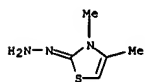
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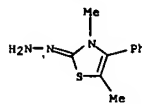


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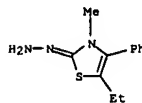


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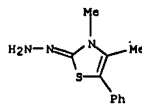
L5 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



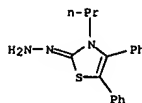
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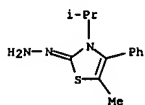


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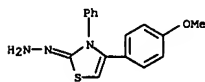


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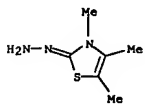
L5 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



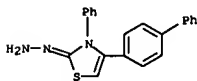
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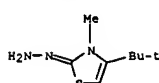


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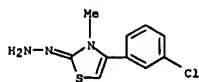


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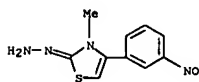
L5 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



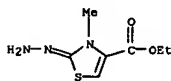
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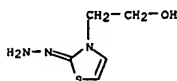
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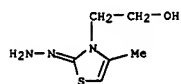


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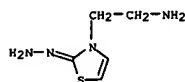


L5 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

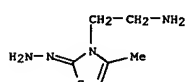
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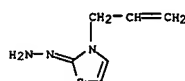
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RN 753027-79-1 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-aminoethyl)-4-methyl-, hydrazone (9CI) (CA INDEX NAME)

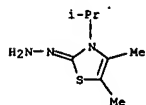


RN 753027-81-5 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)

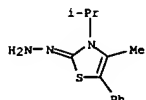


RN 753027-82-6 CAPLUS  
CN 2(3H)-Thiazolone, 4-methyl-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)

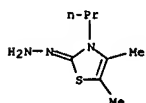
L5 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



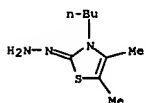
RN 909008-42-0 CAPLUS  
CN 2(3H)-Thiazolone, 4-methyl-3-(1-methylethyl)-5-phenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 909008-45-3 CAPLUS  
CN 2(3H)-Thiazolone, 4,5-dimethyl-3-propyl-, hydrazone (9CI) (CA INDEX NAME)

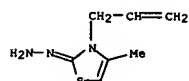


RN 909008-47-5 CAPLUS  
CN 2(3H)-Thiazolone, 3-butyl-4,5-dimethyl-, hydrazone (9CI) (CA INDEX NAME)

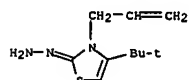


RN 909008-50-0 CAPLUS  
CN 2(3H)-Thiazolone, 4,5-dimethyl-3-(2-methylpropyl)-, hydrazone (9CI) (CA INDEX NAME)

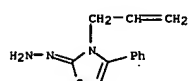
L5 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



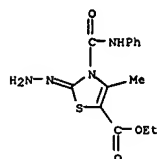
RN 753027-83-7 CAPLUS  
CN 2(3H)-Thiazolone, 4-(1,1-dimethylethyl)-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)



RN 753027-84-8 CAPLUS  
CN 2(3H)-Thiazolone, 4-phenyl-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)

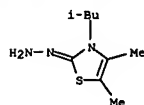


RN 753027-85-9 CAPLUS  
CN 5-Thiazolecarboxylic acid, 2-hydrazono-2,3-dihydro-4-methyl-3-[(phenylamino)carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)

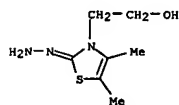


RN 909008-40-8 CAPLUS  
CN 2(3H)-Thiazolone, 4,5-dimethyl-3-(1-methylethyl)-, hydrazone (9CI) (CA INDEX NAME)

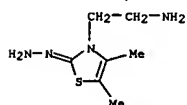
L5 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



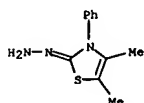
RN 909008-54-4 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-hydroxyethyl)-4,5-dimethyl-, hydrazone (9CI) (CA INDEX NAME)



RN 909008-61-3 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-aminoethyl)-4,5-dimethyl-, hydrazone (9CI) (CA INDEX NAME)

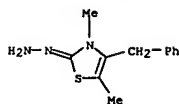


RN 909008-66-8 CAPLUS  
CN 2(3H)-Thiazolone, 4,5-dimethyl-3-phenyl-, hydrazone (9CI) (CA INDEX NAME)

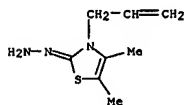


RN 909008-76-0 CAPLUS  
CN 2(3H)-Thiazolone, 3,5-dimethyl-4-(phenylmethyl)-, hydrazone (9CI) (CA INDEX NAME)

L5 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 909008-83-9 CAPLUS  
 CN 2(3H)-Thiazolone, 4,5-dimethyl-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)

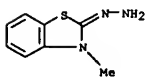


L5 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

1-azanylbenzaldehyde (azo component) and  
 N-methylbenzothiazoliumhydrazone  
 drochloride (coupling component) followed by alkylation (quaternization)  
 with dimethylsulfate was used for dyeing hair in a compn. contg.  
 2.5 mmol this dye, 5.0 g ethanol, 4.0 g decylpolyglucose, 0.2 g  
 ethylenediaminetetraacetic acid disodium salt and water (the rest to 100  
 g).

IT 4338-98-1 885321-63-1  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (cationic azoazine dyes used for non-oxidative dyeing keratin  
 fibers)

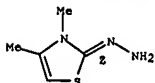
RN 4338-98-1 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-methyl-, hydrazone, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 885321-63-1 CAPLUS  
 CN 2(3H)-Thiazolone, 3,4-dimethyl-, hydrazone, monohydrochloride, (2Z)-  
 (9CI) (CA INDEX NAME)

Double bond geometry as shown.

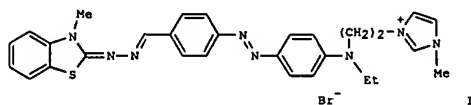
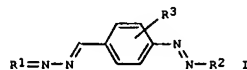


● HCl

L5 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:409326 CAPLUS  
 DN 144:434466  
 TI Cationic azoazine dyes and their use for dyeing keratin fibers.  
 IN Speckbacher, Markus; Braun, Hans Juergen  
 PA Wella A.-G., Germany  
 SO Ger. Offen., 16 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 102004052608	A1	20060504	DE 2004-102004052608	20041029
WO 2006048057	A1	20060511	WO 2005-EP7484	20050711
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, ST, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
US 2007073045	A1	20070329	US 2006-516886	20060907
PRAI DE 2004-102004052608	A	20041029		
WO 2005-EP7484	A	20050711		
OS MARPAT 144:434466				
GI				

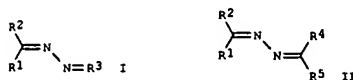


AB Cationic azoazine dyes I (R1, R2 and R3 - alkyl, aromatic or N-heterocyclic residues) are used for non-oxidative dyeing keratin fibers.  
 Thus, II prepared by reacting  
 4-[(E)-[4-[(2-bromoethyl)(ethylamino)phenyl]d

L5 ANSWER 3 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2005:979707 CAPLUS  
 DN 143:287904  
 TI Cationic heteroaryl azine dyes and colorants for keratin fibers  
 containing said compounds.  
 IN Speckbacher, Markus; Braun, Hans-Juergen  
 PA Wella Aktiengesellschaft, Germany  
 SO PCT Int. Appl., 48 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA German  
 FAN.CNT 1

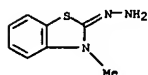
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005083009	A1	20050909	WO 2004-EP13705	20041202
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
DE 102004009782	A1	20050915	DE 2004-102004009782	20040228
EP 1718705	A1	20061108	EP 2004-803447	20041202
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS			
PRAI DE 2004-102004009782	A	20040228		
WO 2004-EP13705	W	20041202		
OS MARPAT 143:287904				
GI				



AB Cationic heteroaryl azine dyes I and II (R1 - R4 = optionally substituted heteroaryl) useful for non-oxidative dyeing keratin fibers, especially hair are prepared by condensation of hydrazones with heterocyclic aldehydes and alkylation (quaternization) of the resulting compds. Thus, 1-(2-hydroxyethyl)-3-[(Z)-[(2E)-2-(3-methyl-1,3-benzothiazol-2(3H)-ylidene)hydrazono]methyl]pyridinium bromide prepared by quaternizing nicotinaldehyde[(2E)-3-methyl-1,3-benzothiazol-2(3H)-ylidene]hydrazones [prepared by reacting 1.50 g of 2,3-dihydro-3-methyl-2-benzothiazolone hydrazone hydrochloride with 0.69 g of 3-pyridinecarboxaldehyde in acetic acid at room temperature] with bromomethanol in AcCN is used for dyeing hair in light yellow color in non-oxidative composition containing 2.5 mmol of this dye, 5.0 g of ethanol, 4.0 g of decyl polyglucose, 0.2 g of ethylenediamine tetraacetic acid disodium salt hydrate and 100 g of water.

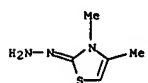
IT 4338-98-1 114252-54-9

L5 ANSWER 3 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (cationic heterocyclic azine dyes prep. by condensation of hydrazones  
 with heterocyclic aldehydes and alkylation for non-oxidative dyeing  
 keratin fibers, esp. hair)  
 RN 4338-98-1 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-methyl-, hydrazone, monohydrochloride (9CI) (CA INDEX NAME)



• HCl

RN 114252-54-9 CAPLUS  
 CN 2(3H)-Thiazolone, 3,4-dimethyl-, hydrazone, monohydrochloride (9CI) (CA INDEX NAME)



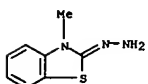
• HCl

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

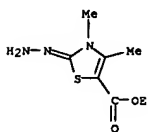
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 28218-90-8 28218-93-1 28218-95-3  
 28219-33-2 28219-40-1 33167-57-6  
 33167-60-1 41339-01-9 51769-42-7  
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 114098-30-5 114252-53-8 117043-63-7  
 130252-23-2 138485-20-8 138485-21-9  
 138485-22-0 139262-46-7 157559-65-4  
 185454-77-7 200630-28-0 215249-36-8  
 382627-87-4 383411-41-4 676475-28-8  
 692250-45-6 718589-95-8 753027-71-3  
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 753027-77-9 753027-78-0 753027-79-1  
 753027-81-5 753027-82-6 753027-83-7  
 753027-84-8 753027-85-9 753027-86-0  
 753027-87-1 753027-88-2 753027-89-3  
 753027-90-6 753027-91-7 753027-92-8 75302  
 7-94-0 856415-54-8

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (oxidative hair dyes contg. heterocyclical hydrazone deriva.  
 and arom. enamines)

RN 1128-67-2 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 3161-77-1 CAPLUS  
 CN 5-Thiazolecarboxylic acid, 2-hydrazone-2,3-dihydro-3,4-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)



RN 3316-70-9 CAPLUS  
 CN 5-Thiazolecarboxylic acid, 3-ethyl-2-hydrazone-2,3-dihydro-4-methyl-, ethyl ester (9CI) (CA INDEX NAME)

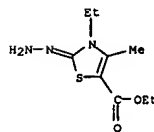
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2005:588631 CAPLUS  
 DN 143:102802  
 TI Oxidative hair dyes containing heterocyclical hydrazone derivatives and aromatic enamines  
 IN Pasquier, Cecile; Bucin, Veronique; Kiener, Caroline; Duc-Reichlin, Nadja; Braun, Hans-Juergen  
 PA Wella Aktiengesellschaft, Germany  
 SO PCT Int. Appl., 45 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA German  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005060928	A1	20050707	WO 2004-EP12942	20041115
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SI, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10358878	A1	20050721	DE 2003-10358878	20031216
EP 1699427	A1	20060913	EP 2004-797906	20041115
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
US 2007067927	A1	20070329	US 2006-579926	20060519
PRAI DE 2003-10358878	A	20031216		
WO 2004-EP12942	W	20041115		
OS MARPAT 143:102802				

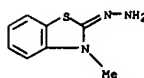
AB The invention concerns ready-to-use oxidative hair dyes composed of (i) heterocyclical hydrazones; (ii) aromatic enamines or their acid addition salts; (iii) oxidizing agents. Optionally, direct dyes can be added. The invention also relates to a multicomponent kit and to a method for dyeing hair. Thus 3,4-dimethyl-2(3H)-thiazolone-hydrazone hydrochloride synthesized starting from 4-methyl-3-thiosemicarbazide and chloroacetone. Component A of a hair dye composition contained (g): decylpolyglucose 50% aqueous solution 4.00; EDTA disodium hydrate 0.20; ethanol 5.00; 3,4-dimethyl-2(3H)-thiazolone-hydrazone hydrochloride 0.43; water to 100. Component B included (g) 1,2,3,3--tetramethyl-3H-indolium-hydrogen sulfate 0.68; potassium persulfate.

IT 1128-67-2 3161-77-1 3316-70-9  
 4338-98-1 15315-48-7 20065-04-7  
 20065-05-8 20065-06-9 20125-57-9  
 21817-85-6 21817-86-7 21817-87-8  
 21817-88-9 21817-89-0 21817-90-3  
 21817-91-4 21817-92-5 21882-34-8  
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L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

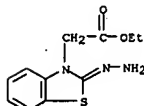


RN 4338-98-1 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-methyl-, hydrazone, monohydrochloride (9CI) (CA INDEX NAME)

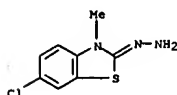


• HCl

RN 15315-48-7 CAPLUS  
 CN 3(2H)-Benzothiazoleacetic acid, 2-hydrazone-, ethyl ester (9CI) (CA INDEX NAME)

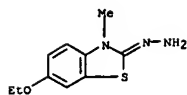


RN 20065-04-7 CAPLUS  
 CN 2(3H)-Benzothiazolone, 6-chloro-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

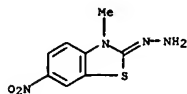


RN 20065-05-8 CAPLUS  
 CN 2(3H)-Benzothiazolone, 6-ethoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

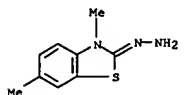
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
NAME)



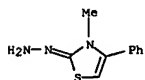
RN 20065-06-9 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-methyl-6-nitro-, hydrazone (9CI) (CA INDEX NAME)



RN 20125-57-9 CAPLUS  
CN 2(3H)-Benzothiazolone, 3,6-dimethyl-, hydrazone (9CI) (CA INDEX NAME)

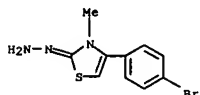


RN 21817-85-6 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)

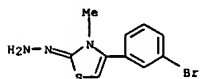


RN 21817-86-7 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-(4-methylphenyl)-, hydrazone (9CI) (CA INDEX NAME)

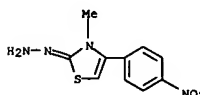
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
NAME)



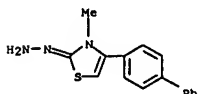
RN 21817-91-4 CAPLUS  
CN 2(3H)-Thiazolone, 4-(3-bromophenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 21817-92-5 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-(4-nitrophenyl)-, hydrazone (9CI) (CA INDEX NAME)

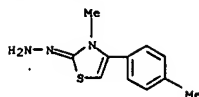


RN 21882-34-8 CAPLUS  
CN 2(3H)-Thiazolone, 4-[1,1'-biphenyl]-4-yl-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

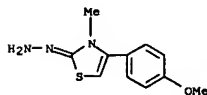


RN 27893-83-0 CAPLUS  
CN 2(3H)-Thiazolone, 5-(4-chlorophenyl)-3-methyl-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)

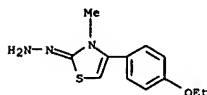
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



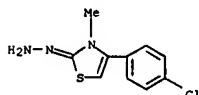
RN 21817-87-8 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-methoxyphenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 21817-88-9 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-ethoxyphenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

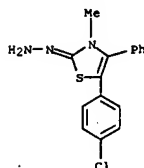


RN 21817-89-0 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-chlorophenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

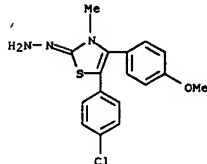


RN 21817-90-3 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-bromophenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

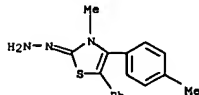
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 27893-84-1 CAPLUS  
CN 2(3H)-Thiazolone, 5-(4-chlorophenyl)-4-(4-methoxyphenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



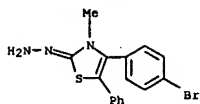
RN 27893-86-3 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-(4-methylphenyl)-5-phenyl-, hydrazone (9CI) (CA INDEX NAME)



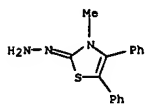
RN 27893-88-5 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-bromophenyl)-3-methyl-5-phenyl-, hydrazone (9CI) (CA INDEX NAME)



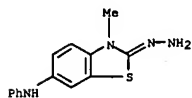
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



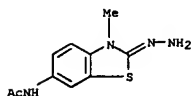
RN 28029-80-3 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 28218-89-5 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-methyl-6-(phenylamino)-, hydrazone (9CI) (CA INDEX NAME)

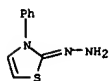


RN 28218-90-8 CAPLUS  
CN Acetamide, N-(2-hydrazono-2,3-dihydro-3-methyl-6-benzothiazolyl)- (9CI) (CA INDEX NAME)

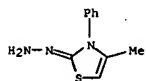


RN 28218-93-1 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-ethyl-, hydrazone (9CI) (CA INDEX NAME)

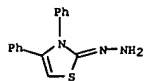
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



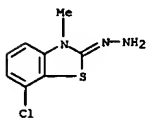
RN 33167-60-1 CAPLUS  
CN 2(3H)-Thiazolone, 4-methyl-3-phenyl-, hydrazone (9CI) (CA INDEX NAME)



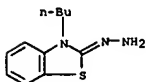
RN 41339-01-9 CAPLUS  
CN 2(3H)-Thiazolone, 3,4-diphenyl-, hydrazone (9CI) (CA INDEX NAME)



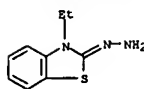
RN 51769-42-7 CAPLUS  
CN 2(3H)-Benzothiazolone, 7-chloro-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



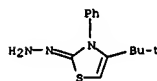
RN 60448-01-3 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-butyl-, hydrazone (9CI) (CA INDEX NAME)



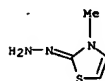
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



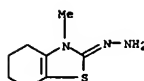
RN 28218-95-3 CAPLUS  
CN 2(3H)-Thiazolone, 4-(1,1-dimethylethyl)-3-phenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 28219-33-2 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)



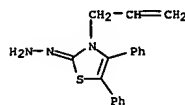
RN 28219-40-1 CAPLUS  
CN 2(3H)-Benzothiazolone, 4,5,6,7-tetrahydro-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



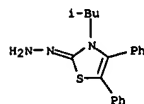
RN 33167-57-6 CAPLUS  
CN 2(3H)-Thiazolone, 3-phenyl-, hydrazone (9CI) (CA INDEX NAME)

L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

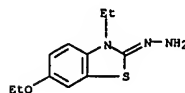
RN 64071-37-0 CAPLUS  
CN 2(3H)-Thiazolone, 4,5-diphenyl-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)



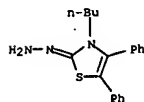
RN 64071-38-1 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-methylpropyl)-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 64873-66-1 CAPLUS  
CN 2(3H)-Benzothiazolone, 6-ethoxy-3-ethyl-, hydrazone (9CI) (CA INDEX NAME)

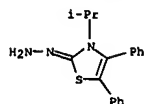


RN 67644-68-2 CAPLUS  
CN 2(3H)-Thiazolone, 3-butyl-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)

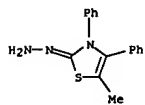


RN 67644-69-3 CAPLUS  
CN 2(3H)-Thiazolone, 3-(1-methylethyl)-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)

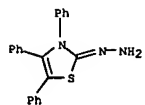
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



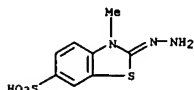
RN 68746-10-1 CAPLUS  
CN 2(3H)-Thiazolone, 5-methyl-3,4-diphenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 68746-11-2 CAPLUS  
CN 2(3H)-Thiazolone, 3,4,5-triphenyl-, hydrazone (9CI) (CA INDEX NAME)

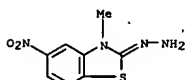


RN 71176-53-9 CAPLUS  
CN 6-Benzothiazolesulfonic acid, 2-hydrazono-2,3-dihydro-3-methyl-, (9CI) (CA INDEX NAME)

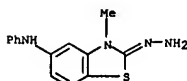


RN 76411-65-9 CAPLUS  
CN Naphtho[2,3-d]thiazol-2(3H)-one, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)

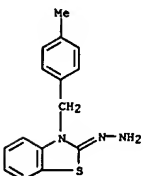
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



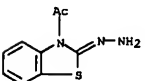
RN 109126-25-2 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-methyl-5-(phenylamino)-, hydrazone (9CI) (CA INDEX NAME)



RN 109514-20-7 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-((4-methylphenyl)methyl)-, hydrazone (9CI) (CA INDEX NAME)

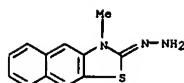


RN 110226-87-4 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-acetyl-, 2-hydrazono- (9CI) (CA INDEX NAME)

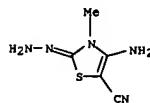


RN 110226-89-6 CAPLUS  
CN 3(2H)-Benzothiazolecarboxaldehyde, 2-hydrazono- (9CI) (CA INDEX NAME)

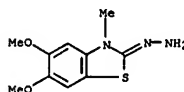
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



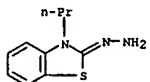
RN 81402-80-4 CAPLUS  
CN 5-Thiazolecarbonitrile, 4-amino-2-hydrazono-2,3-dihydro-3-methyl-, (9CI) (CA INDEX NAME)



RN 94267-69-3 CAPLUS  
CN 2(3H)-Benzothiazolone, 5,6-dimethoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

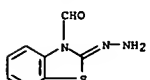


RN 104410-33-5 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-propyl-, hydrazone (9CI) (CA INDEX NAME)

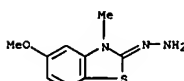


RN 108129-92-6 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-methyl-5-nitro-, hydrazone (9CI) (CA INDEX NAME)

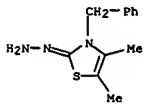
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



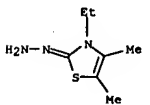
RN 110274-77-6 CAPLUS  
CN 2(3H)-Benzothiazolone, 5-methoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 111427-05-5 CAPLUS  
CN 2(3H)-Thiazolone, 4,5-dimethyl-3-(phenylmethyl)-, hydrazone (9CI) (CA INDEX NAME)

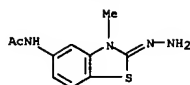


RN 111427-06-6 CAPLUS  
CN 2(3H)-Thiazolone, 3-ethyl-4,5-dimethyl-, hydrazone (9CI) (CA INDEX NAME)

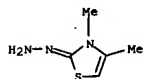


RN 114098-30-5 CAPLUS  
CN Acetamide, N-(2-hydrazono-2,3-dihydro-3-methyl-5-benzothiazolyl)- (9CI) (CA INDEX NAME)

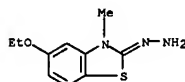
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



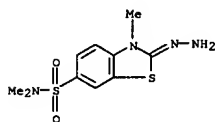
RN 114252-53-8 CAPLUS  
CN 2(3H)-Thiazolone, 3,4-dimethyl-, hydrazone (9CI) (CA INDEX NAME)



RN 117043-63-7 CAPLUS  
CN 2(3H)-Benzothiazolone, 5-ethoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

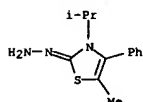


RN 130252-23-2 CAPLUS  
CN 6-Benzothiazolesulfonamide, 2-hydrazono-2,3-dihydro-N,N,3-trimethyl- (9CI)  
(CA INDEX NAME)

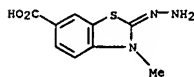


RN 138485-20-8 CAPLUS  
CN 2(3H)-Thiazolone, 3,5-dimethyl-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)

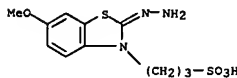
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



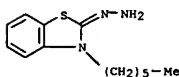
RN 185454-77-7 CAPLUS  
CN 6-Benzothiazolecarboxylic acid, 2-hydrazono-2,3-dihydro-3-methyl- (9CI)  
(CA INDEX NAME)



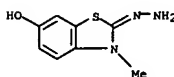
RN 200630-28-0 CAPLUS  
CN 3(2H)-Benzothiazolepropanesulfonic acid, 2-hydrazono-6-methoxy- (9CI)  
(CA INDEX NAME)



RN 215249-36-8 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-hexyl-, hydrazone (9CI) (CA INDEX NAME)

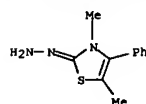


RN 382627-87-4 CAPLUS  
CN 2(3H)-Benzothiazolone, 6-hydroxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

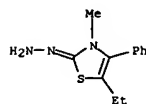


RN 383411-41-4 CAPLUS  
CN 6-Benzothiazolecarboxylic acid, 2-hydrazono-2,3-dihydro-3-(2-hydroxyethyl)-

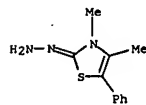
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



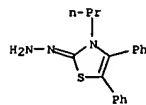
RN 138485-21-9 CAPLUS  
CN 2(3H)-Thiazolone, 5-ethyl-3-methyl-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 138485-22-0 CAPLUS  
CN 2(3H)-Thiazolone, 3,4-dimethyl-5-phenyl-, hydrazone (9CI) (CA INDEX NAME)

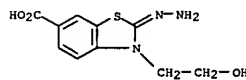


RN 139262-46-7 CAPLUS  
CN 2(3H)-Thiazolone, 4,5-diphenyl-3-propyl-, hydrazone (9CI) (CA INDEX NAME)

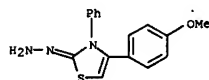


RN 157559-65-4 CAPLUS  
CN 2(3H)-Thiazolone, 5-methyl-3-(1-methylethyl)-4-phenyl-, hydrazone (9CI)  
(CA INDEX NAME)

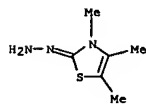
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



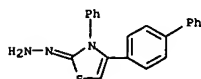
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CN 2(3H)-Thiazolone, 4-(4-methoxyphenyl)-3-phenyl-, hydrazone (9CI) (CA INDEX NAME)



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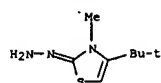


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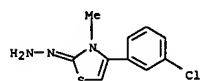


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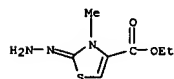
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



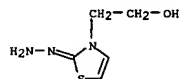
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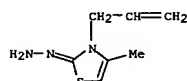


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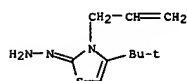


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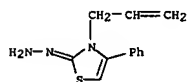
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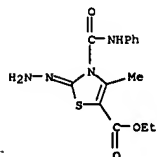
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CN 2(3H)-Thiazolone, 4-(1,1-dimethylethyl)-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)



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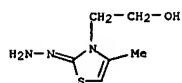


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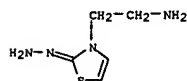


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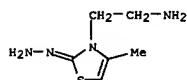
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



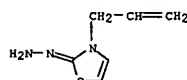
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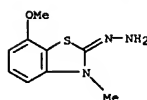


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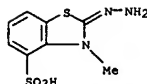


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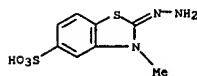
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



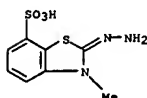
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CN 4-Benzothiazolesulfonic acid, 2-hydrazono-2,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)



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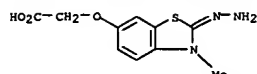


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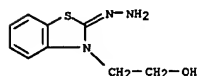


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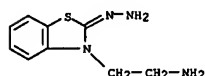
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



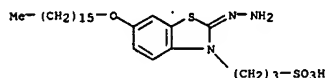
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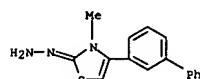
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CN 2(3H)-Benzothiazolone, 3-(2-aminoethyl)-, hydrazone (9CI) (CA INDEX NAME)



RN 753027-94-0 CAPLUS  
CN 3(2H)-Benzothiazolepropanesulfonic acid, 6-(hexadecyloxy)-2-hydrazone- (9CI) (CA INDEX NAME)



RN 856415-54-8 CAPLUS  
CN 2(3H)-Thiazolone, 4-[1,1'-biphenyl]-3-yl-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2005:588629 CAPLUS

DN 143:102801

TI Oxidative hair dyes containing heterocyclical hydrazone derivatives

IN Pasquier, Cecile; Buclin, Veronique; Kiener, Caroline; Duc-Reichlin, Nadja; Braun, Hans-Juergen

PA Wella Aktiengesellschaft, Germany

SO PCT Int. Appl., 43 pp.

CODEN: FIXXD2

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005060927	A1	20050707	WO 2004-EPI2941	20041115
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DE 10358883	A1	20050721	DE 2003-10358883	20031216
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
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WO 2004-EPI2941	W	20041115		

OS MARPAT 143:102801

AB The invention concerns oxidative hair dyes composed of (i) heterocyclical hydrazone derivs.; (ii) CH-active compds.; (iii) oxidizing agents. Optionally, direct dyes can be added. Thus 3,4-dimethyl-2(3H)-thiazolone-hydrazone hydrochloride synthesized starting from 4-methyl-3-thiosemicarbazide and chloroacetone. Component A of a hair dye composition contained (g): decylpolyglucose 50% aqueous solution 4.00; EDTA disodium hydrate 0.20; ethanol 5.00; 3,4-dimethyl-2(3H)-thiazolone-hydrazone hydrochloride 0.43; water to 100. Component B included (g): thiobarbituric acid 0.36; potassium persulfate 0.40.

IT 20065-04-7 20065-05-8 20065-06-9  
20125-57-9 21817-85-6 21817-86-7  
21817-87-8 21817-88-9 21817-89-0  
21817-90-3 21817-91-4 21882-34-8  
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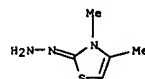
L5 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

IT 68746-04-3P 68746-06-5P

RL: COS (Cosmetic use); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(oxidative hair dyes containing heterocyclical hydrazone derivs. and aromatic enamines)

RN 68746-04-3 CAPLUS

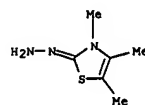
CN 2(3H)-Thiazolone, 3,4-dimethyl-, hydrazone, hydrochloride (9CI) (CA INDEX NAME)



● x HCl

RN 68746-06-5 CAPLUS

CN 2(3H)-Thiazolone, 3,4,5-trimethyl-, hydrazone, hydrochloride (9CI) (CA INDEX NAME)



● x HCl

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

130252-23-2 138485-20-8 138485-21-9

138485-22-0 139262-46-7 157559-65-4

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382627-87-4 383411-41-4 676475-28-8

692250-45-6 718589-95-8 753027-71-3

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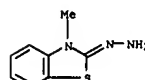
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753027-92-8 753027-94-0

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(oxidative hair dyes contg. heterocyclical hydrazone derivs.)

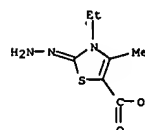
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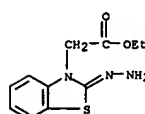
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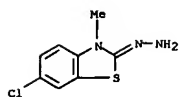
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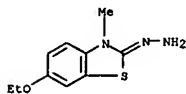
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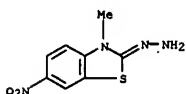
L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



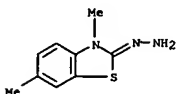
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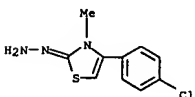


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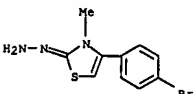


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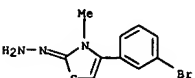
L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



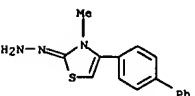
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CN 2(3H)-Thiazolone, 4-(4-bromophenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



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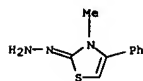


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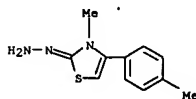


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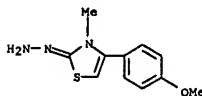
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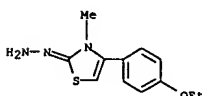
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CN 2(3H)-Thiazolone, 3-methyl-4-(4-methylphenyl)-, hydrazone (9CI) (CA INDEX NAME)



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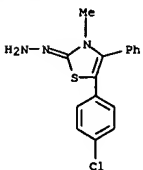


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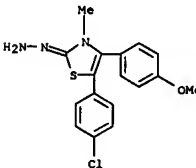


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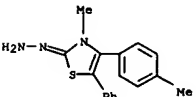
L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



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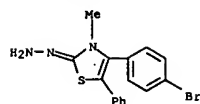


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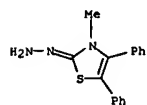


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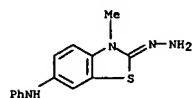
L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



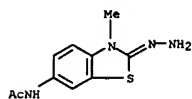
RN 28029-80-3 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 28218-89-5 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-methyl-6-(phenylamino)-, hydrazone (9CI) (CA INDEX NAME)

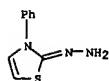


RN 28218-90-8 CAPLUS  
CN Acetamide, N-(2-hydrazono-2,3-dihydro-3-methyl-6-benzothiazolyl)- (9CI) (CA INDEX NAME)

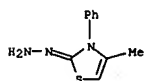


RN 28218-93-1 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-ethyl-, hydrazone (9CI) (CA INDEX NAME)

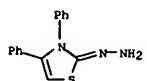
L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



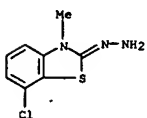
RN 33167-60-1 CAPLUS  
CN 2(3H)-Thiazolone, 4-methyl-3-phenyl-, hydrazone (9CI) (CA INDEX NAME)



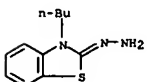
RN 41339-01-9 CAPLUS  
CN 2(3H)-Thiazolone, 3,4-diphenyl-, hydrazone (9CI) (CA INDEX NAME)



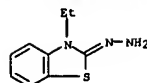
RN 51769-42-7 CAPLUS  
CN 2(3H)-Benzothiazolone, 7-chloro-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



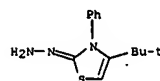
RN 60448-01-3 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-butyl-, hydrazone (9CI) (CA INDEX NAME)



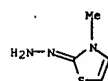
L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



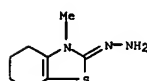
RN 28218-95-3 CAPLUS  
CN 2(3H)-Thiazolone, 4-(1,1-dimethylethyl)-3-phenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 28219-33-2 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)



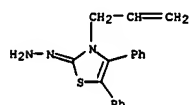
RN 28219-40-1 CAPLUS  
CN 2(3H)-Benzothiazolone, 4,5,6,7-tetrahydro-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



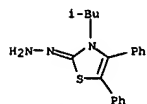
RN 33167-57-6 CAPLUS  
CN 2(3H)-Thiazolone, 3-phenyl-, hydrazone (9CI) (CA INDEX NAME)

L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

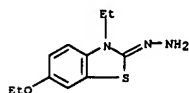
RN 64071-37-0 CAPLUS  
CN 2(3H)-Thiazolone, 4,5-diphenyl-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)



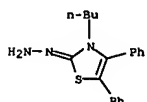
RN 64071-38-1 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-methylpropyl)-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 64873-66-1 CAPLUS  
CN 2(3H)-Benzothiazolone, 6-ethoxy-3-ethyl-, hydrazone (9CI) (CA INDEX NAME)

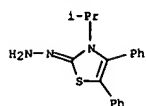


RN 67644-68-2 CAPLUS  
CN 2(3H)-Thiazolone, 3-butyl-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)

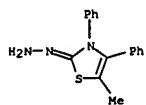


RN 67644-69-3 CAPLUS  
CN 2(3H)-Thiazolone, 3-(1-methylethyl)-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)

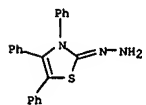
L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



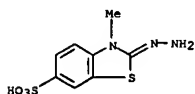
RN 68746-10-1 CAPLUS  
CN 2(3H)-Thiazolone, 5-methyl-3,4-diphenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 68746-11-2 CAPLUS  
CN 2(3H)-Thiazolone, 3,4,5-triphenyl-, hydrazone (9CI) (CA INDEX NAME)

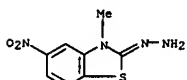


RN 71176-53-9 CAPLUS  
CN 6-Benzothiazolesulfonic acid, 2-hydrazono-2,3-dihydro-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

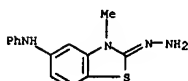


RN 76411-65-9 CAPLUS  
CN Naphtho[2,3-d]thiazol-2(3H)-one, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)

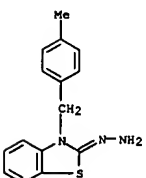
L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



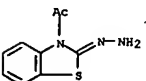
RN 109126-25-2 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-methyl-5-(phenylamino)-, hydrazone (9CI) (CA INDEX NAME)



RN 109514-20-7 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-[(4-methylphenyl)methyl]-, hydrazone (9CI) (CA INDEX NAME)

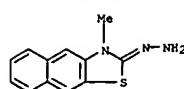


RN 110226-87-4 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-acetyl-, 2-hydrazono- (9CI) (CA INDEX NAME)

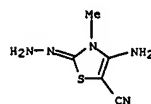


RN 110226-89-6 CAPLUS  
CN 3(2H)-Benzothiazolecarboxaldehyde, 2-hydrazono- (9CI) (CA INDEX NAME)

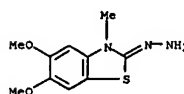
L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



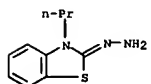
RN 81402-80-4 CAPLUS  
CN 5-Thiazolecarbonitrile, 4-amino-2-hydrazono-2,3-dihydro-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 94267-69-3 CAPLUS  
CN 2(3H)-Benzothiazolone, 5,6-dimethoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

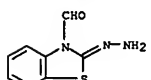


RN 104410-33-5 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-propyl-, hydrazone (9CI) (CA INDEX NAME)

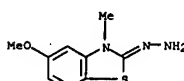


RN 108129-92-6 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-methyl-5-nitro-, hydrazone (9CI) (CA INDEX NAME)

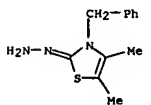
L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



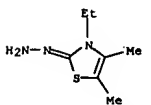
RN 110274-77-6 CAPLUS  
CN 2(3H)-Benzothiazolone, 5-methoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 111427-05-5 CAPLUS  
CN 2(3H)-Thiazolone, 4,5-dimethyl-3-(phenylmethyl)-, hydrazone (9CI) (CA INDEX NAME)



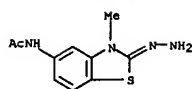
RN 111427-06-6 CAPLUS  
CN 2(3H)-Thiazolone, 3-ethyl-4,5-dimethyl-, hydrazone (9CI) (CA INDEX NAME)



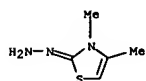
RN 114098-30-5 CAPLUS  
CN Acetamide, N-(2-hydrazono-2,3-dihydro-3-methyl-5-benzothiazolyl)- (9CI) (CA INDEX NAME)



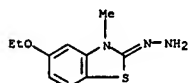
L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



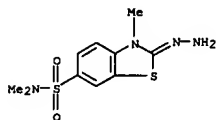
RN 114252-53-8 CAPLUS  
CN 2(3H)-Thiazolone, 3,4-dimethyl-, hydrazone (9CI) (CA INDEX NAME)



RN 117043-63-7 CAPLUS  
CN 2(3H)-Benzothiazolone, 5-ethoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

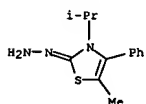


RN 130252-23-2 CAPLUS  
CN 6-Benzothiazolesulfonamide, 2-hydrazono-2,3-dihydro-N,N,3-trimethyl- (9CI)  
(CA INDEX NAME)

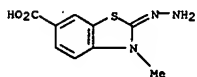


RN 138485-20-8 CAPLUS  
CN 2(3H)-Thiazolone, 3,5-dimethyl-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)

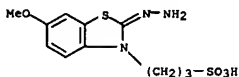
L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



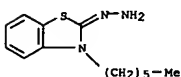
RN 185454-77-7 CAPLUS  
CN 6-Benzothiazolecarboxylic acid, 2-hydrazono-2,3-dihydro-3-methyl- (9CI)  
(CA INDEX NAME)



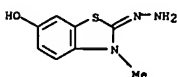
RN 200630-28-0 CAPLUS  
CN 3(2H)-Benzothiazolepropanesulfonic acid, 2-hydrazono-6-methoxy- (9CI)  
(CA INDEX NAME)



RN 215249-36-8 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-hexyl-, hydrazone (9CI) (CA INDEX NAME)

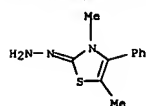


RN 382627-87-4 CAPLUS  
CN 2(3H)-Benzothiazolone, 6-hydroxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

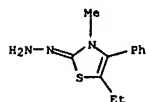


RN 383411-41-4 CAPLUS  
CN 6-Benzothiazolecarboxylic acid, 2-hydrazono-2,3-dihydro-3-(2-hydroxyethyl)-

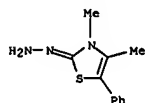
L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



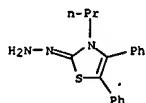
RN 138485-21-9 CAPLUS  
CN 2(3H)-Thiazolone, 5-ethyl-3-methyl-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 138485-22-0 CAPLUS  
CN 2(3H)-Thiazolone, 3,4-dimethyl-5-phenyl-, hydrazone (9CI) (CA INDEX NAME)

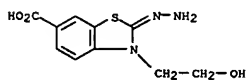


RN 139262-46-7 CAPLUS  
CN 2(3H)-Thiazolone, 4,5-diphenyl-3-propyl-, hydrazone (9CI) (CA INDEX NAME)

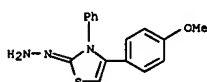


RN 157559-65-4 CAPLUS  
CN 2(3H)-Thiazolone, 5-methyl-3-(1-methylethyl)-4-phenyl-, hydrazone (9CI)  
(CA INDEX NAME)

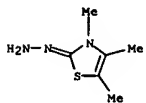
L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



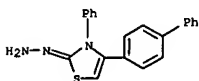
RN 676475-28-8 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-methoxyphenyl)-3-phenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 692250-45-6 CAPLUS  
CN 2(3H)-Thiazolone, 3,4,5-trimethyl-, hydrazone (9CI) (CA INDEX NAME)

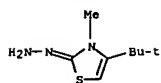


RN 718589-95-8 CAPLUS  
CN 2(3H)-Thiazolone, 4-[1,1'-biphenyl]-4-yl-3-phenyl-, hydrazone (9CI) (CA INDEX NAME)

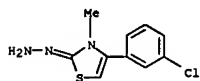


RN 753027-71-3 CAPLUS  
CN 2(3H)-Thiazolone, 4-(1,1-dimethylethyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

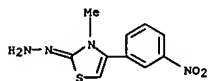
L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



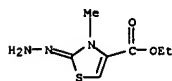
RN 753027-72-4 CAPLUS  
CN 2(3H)-Thiazolone, 4-(3-chlorophenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 753027-73-5 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-(3-nitrophenyl)-, hydrazone (9CI) (CA INDEX NAME)

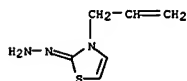


RN 753027-75-7 CAPLUS  
CN 4-Thiazolecarboxylic acid, 2-hydrazono-2,3-dihydro-3-methyl-, ethyl ester (9CI) (CA INDEX NAME)

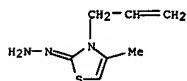


RN 753027-76-8 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-hydroxyethyl)-, hydrazone (9CI) (CA INDEX NAME)

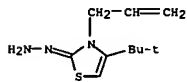
L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



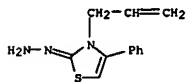
RN 753027-82-6 CAPLUS  
CN 2(3H)-Thiazolone, 4-methyl-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)



RN 753027-83-7 CAPLUS  
CN 2(3H)-Thiazolone, 4-(1,1-dimethylethyl)-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)

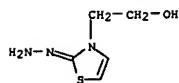


RN 753027-84-8 CAPLUS  
CN 2(3H)-Thiazolone, 4-phenyl-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)

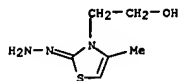


RN 753027-85-9 CAPLUS  
CN 5-Thiazolecarboxylic acid, 2-hydrazono-2,3-dihydro-4-methyl-3-[(phenylamino)carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)

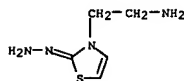
L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



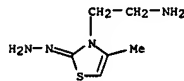
RN 753027-77-9 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-hydroxyethyl)-4-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 753027-78-0 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-aminoethyl)-, hydrazone (9CI) (CA INDEX NAME)

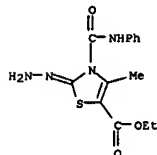


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CN 2(3H)-Thiazolone, 3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)

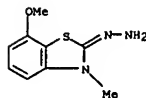


RN 753027-81-5 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)

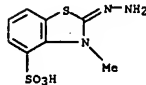
L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



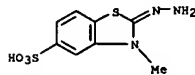
RN 753027-86-0 CAPLUS  
CN 2(3H)-Benzothiazolone, 7-methoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 753027-87-1 CAPLUS  
CN 4-Benzothiazolesulfonic acid, 2-hydrazono-2,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)

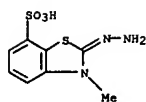


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CN 5-Benzothiazolesulfonic acid, 2-hydrazono-2,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)

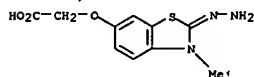


RN 753027-89-3 CAPLUS  
CN 7-Benzothiazolesulfonic acid, 2-hydrazono-2,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)

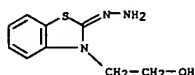
L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



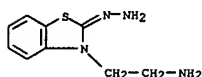
RN 753027-90-6 CAPLUS  
CN Acetic acid, [(2-hydrazono-2,3-dihydro-3-methyl-6-benzothiazolyl)oxy]-  
(9CI) (CA INDEX NAME)



RN 753027-91-7 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-(2-hydroxyethyl)-, hydrazone (9CI) (CA INDEX NAME)

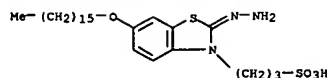


RN 753027-92-8 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-(2-aminoethyl)-, hydrazone (9CI) (CA INDEX NAME)



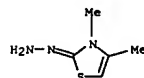
RN 753027-94-0 CAPLUS  
CN 3(2H)-Benzothiazolepropanesulfonic acid, 6-(hexadecyloxy)-2-hydrazono-  
(9CI) (CA INDEX NAME)

L5 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



IT 68746-04-3P  
RL: COS (Cosmetic use); PRP (Properties); SPN (Synthetic preparation);  
BIOL (Biological study); PREP (Preparation); USES (Uses)  
(oxidative hair dyes containing heterocyclical hydrazone derivs.)

RN 68746-04-3 CAPLUS  
CN 2(3H)-Thiazolone, 3,4-dimethyl-, hydrazone, hydrochloride (9CI) (CA INDEX NAME)



• x HCl

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2004:755999 CAPLUS

DN 141:248369

TI Oxidative hair dyes with bleaching agent containing hydrazone  
compounds as developing agents

IN Pasquier, Cesile; Buclin, Veronique; Kiener, Caroline; Roulin, Anita;  
Braun, Hans-Juergen

PA Wella Ag, Germany

SO Ger. Offen., 15 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 10309523	A1	20040916	DE 2003-10309523	20030305
WO 2004076153	A1	20040916	WO 2004-EP961	20040203
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CM, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1599179	A1	20051130	EP 2004-707512	20040203
EP 1599179	B1	20060101		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2004008011	A	20060214	BR 2004-8011	20040203
JP 2006522031	T	20060928	JP 2006-504408	20040203
AT 342039	T	20061115	AT 2004-707512	20040203
US 2006010616	A1	20060119	US 2005-529978	20050324
PRAI DE 2003-10309523	A	20030305		
WO 2004-EP961	W	20040203		

OS MARPAT 141:248369

AB The invention concerns hair preps. for simultaneous bleaching and dyeing; the compns. include as developing agents thiazole, oxazole, imidazole, and benzoxazole derivs. of hydrazone; further ingredients are coupling dyes and a persulfate as oxidation/bleaching agent. Thus 3,4-dimethyl-2(3H)-thiazolone-1-(methylthylidene)-hydrazone was prepared by

reacting 21 g 4-methyl-3-thiosemicarbazide with 20.4 g chloroacetone in acetone at b.p. under reflux. The product was recrystd. from acetone; 23 orange powder was obtained. 3.5 G of the

3,4-dimethyl-2(3H)-thiazolone-1-(methylthylidene)-hydrazone was treated with 60 mL 6 M HCl at 50°C for 30 min; the reaction product was concentrated and recrystd. from ethanol to

yield 2 g pink 3,4-dimethyl-2(3H)-thiazolone-hydrazone hydrochloride. A hair dye composition included (g): component A1: Plantaren 2000 (50% solution) 4.00; EDTA disodium salt 0.20; ethanol 5.00;

3,4-dimethyl-2(3H)-

thiazolone-hydrazone hydrochloride hydrate 0.58; water to 100; component A2: 1,3-diaminobenzene 0.27; potassium persulfate 0.67.

IT 1128-67-2 3161-77-1 3316-70-9

15315-48-7 20065-04-7 20065-05-8

20065-06-9 20125-57-9 21817-85-6

21817-86-7 21817-87-8 21817-88-9

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21817-92-5 21882-34-8 27893-83-0

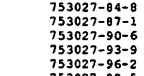
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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753028-47-6 753028-48-7 753028-49-8

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(oxidative hair dyes with bleaching agent contg. hydrazone  
compds. as developing agents)

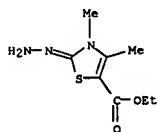
RN 1128-67-2 CAPLUS

CN 2(3H)-Benzothiazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)

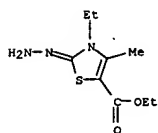


RN 3161-77-1 CAPLUS

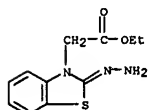
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 CN 5-Thiazolecarboxylic acid, 2-hydrazono-2,3-dihydro-3,4-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)



RN 3316-70-9 CAPLUS  
 CN 5-Thiazolecarboxylic acid, 3-ethyl-2-hydrazono-2,3-dihydro-4-methyl-, ethyl ester (9CI) (CA INDEX NAME)



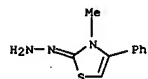
RN 15315-48-7 CAPLUS  
 CN 3(2H)-Benzothiazoleacetic acid, 2-hydrazono-, ethyl ester (9CI) (CA INDEX NAME)



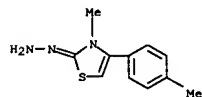
RN 20065-04-7 CAPLUS  
 CN 2(3H)-Benzothiazolone, 6-chloro-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



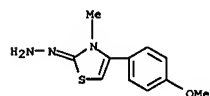
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



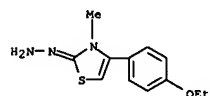
RN 21817-86-7 CAPLUS  
 CN 2(3H)-Thiazolone, 3-methyl-4-(4-methylphenyl)-, hydrazone (9CI) (CA INDEX NAME)



RN 21817-87-8 CAPLUS  
 CN 2(3H)-Thiazolone, 4-(4-methoxyphenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



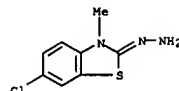
RN 21817-88-9 CAPLUS  
 CN 2(3H)-Thiazolone, 4-(4-ethoxyphenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



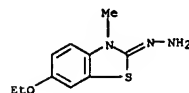
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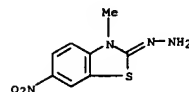
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



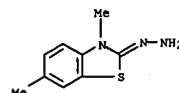
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 CN 2(3H)-Benzothiazolone, 6-ethoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 20065-06-9 CAPLUS  
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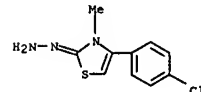


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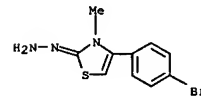


RN 21817-85-6 CAPLUS  
 CN 2(3H)-Thiazolone, 3-methyl-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)

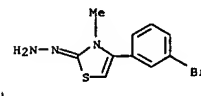
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



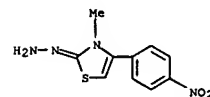
RN 21817-90-3 CAPLUS  
 CN 2(3H)-Thiazolone, 4-(4-bromophenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 21817-91-4 CAPLUS  
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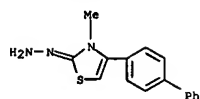


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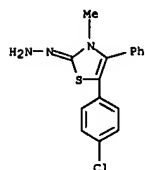


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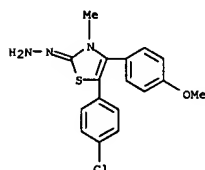
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 27893-83-0 CAPLUS  
CN 2(3H)-Thiazolone, 5-(4-chlorophenyl)-3-methyl-4-phenyl-, hydrazone (9CI)  
(CA INDEX NAME)

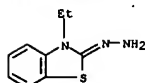


RN 27893-84-1 CAPLUS  
CN 2(3H)-Thiazolone, 5-(4-methoxyphenyl)-3-methyl-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)

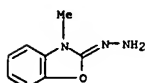


RN 27893-86-3 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-(4-methylphenyl)-5-phenyl-, hydrazone (9CI)  
(CA INDEX NAME)

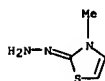
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



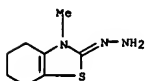
RN 28219-07-0 CAPLUS  
CN 2(3H)-Benzoxazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)



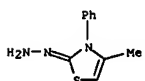
RN 28219-33-2 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 28219-40-1 CAPLUS  
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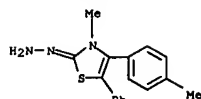


RN 33167-60-1 CAPLUS  
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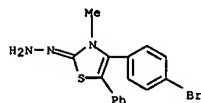


RN 41339-01-9 CAPLUS  
CN 2(3H)-Thiazolone, 3,4-diphenyl-, hydrazone (9CI) (CA INDEX NAME)

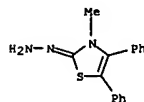
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



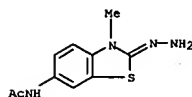
RN 27893-88-5 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-bromophenyl)-3-methyl-5-phenyl-, hydrazone (9CI)  
(CA INDEX NAME)



RN 28029-80-3 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)

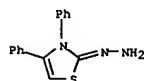


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CN Acetamide, N-(2-hydrazono-2,3-dihydro-3-methyl-6-benzothiazolyl)- (9CI)  
(CA INDEX NAME)

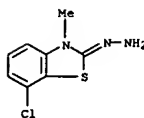


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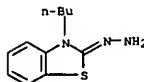
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



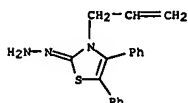
RN 51769-42-7 CAPLUS  
CN 2(3H)-Benzothiazolone, 7-chloro-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 60448-01-3 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-butyl-, hydrazone (9CI) (CA INDEX NAME)

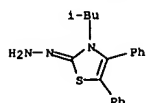


RN 64071-37-0 CAPLUS  
CN 2(3H)-Thiazolone, 4,5-diphenyl-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)

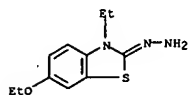


RN 64071-38-1 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-methylpropyl)-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)

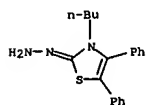
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



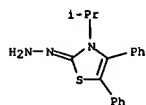
RN 64873-66-1 CAPLUS  
CN 2(3H)-Benzothiazolone, 6-ethoxy-3-ethyl-, hydrazone (9CI) (CA INDEX NAME)



RN 67644-68-2 CAPLUS  
CN 2(3H)-Thiazolone, 3-butyl-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)

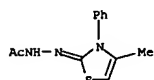


RN 67644-69-3 CAPLUS  
CN 2(3H)-Thiazolone, 3-(1-methylethyl)-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)

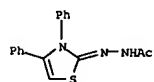


RN 68746-10-1 CAPLUS  
CN 2(3H)-Thiazolone, 5-methyl-3,4-diphenyl-, hydrazone (9CI) (CA INDEX NAME)

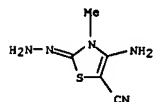
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



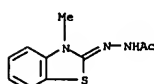
RN 78060-34-1 CAPLUS  
CN Acetic acid, (3,4-diphenyl-2(3H)-thiazolylidene)hydrazide (9CI) (CA INDEX NAME)



RN 81402-80-4 CAPLUS  
CN 5-Thiazolecarbonitrile, 4-amino-2-hydrazono-2,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)

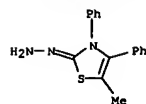


RN 90840-23-6 CAPLUS  
CN Acetic acid, (3-methyl-2(3H)-benzothiazolylidene)hydrazide (9CI) (CA INDEX NAME)

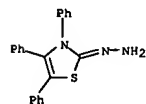


RN 94267-69-3 CAPLUS  
CN 2(3H)-Benzothiazolone, 5,6-dimethoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

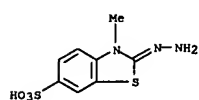
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



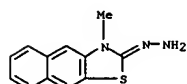
RN 68746-11-2 CAPLUS  
CN 2(3H)-Thiazolone, 3,4,5-triphenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 71176-53-9 CAPLUS  
CN 6-Benzothiazolesulfonic acid, 2-hydrazono-2,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)

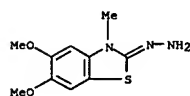


RN 76411-65-9 CAPLUS  
CN Naphtho[2,3-d]thiazol-2(3H)-one, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)

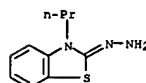


RN 78060-31-8 CAPLUS  
CN Acetic acid, (4-methyl-3-phenyl-2(3H)-thiazolylidene)hydrazide (9CI) (CA INDEX NAME)

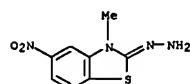
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



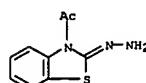
RN 104410-33-5 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-propyl-, hydrazone (9CI) (CA INDEX NAME)



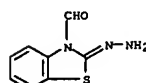
RN 108129-92-6 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-methyl-5-nitro-, hydrazone (9CI) (CA INDEX NAME)



RN 110226-87-4 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-acetyl-, 2-hydrazono- (9CI) (CA INDEX NAME)

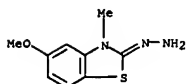


RN 110226-89-6 CAPLUS  
CN 3(2H)-Benzothiazolecarboxaldehyde, 2-hydrazono- (9CI) (CA INDEX NAME)

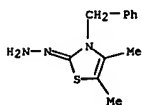


RN 110274-77-6 CAPLUS

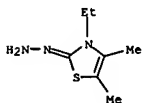
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
CN 2(3H)-Benzothiazolone, 5-methoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



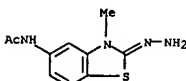
RN 111427-05-5 CAPLUS  
CN 2(3H)-Thiazolone, 4,5-dimethyl-3-(phenylmethyl)-, hydrazone (9CI) (CA INDEX NAME)



RN 111427-06-6 CAPLUS  
CN 2(3H)-Thiazolone, 3-ethyl-4,5-dimethyl-, hydrazone (9CI) (CA INDEX NAME)

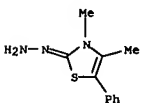


RN 114098-30-5 CAPLUS  
CN Acetamide, N-(2-hydrazono-2,3-dihydro-3-methyl-5-benzothiazolyl)- (9CI) (CA INDEX NAME)

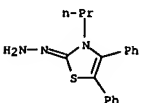


RN 117043-63-7 CAPLUS  
CN 2(3H)-Benzothiazolone, 5-ethoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

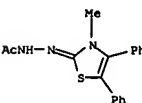
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



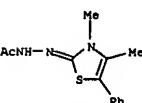
RN 139262-46-7 CAPLUS  
CN 2(3H)-Thiazolone, 4,5-diphenyl-3-propyl-, hydrazone (9CI) (CA INDEX NAME)



RN 139262-49-0 CAPLUS  
CN Acetic acid, (3-methyl-4,5-diphenyl-2(3H)-thiazolylidene)hydrazide (9CI) (CA INDEX NAME)

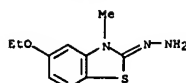


RN 139262-53-6 CAPLUS  
CN Acetic acid, (3,4-dimethyl-5-phenyl-2(3H)-thiazolylidene)hydrazide (9CI) (CA INDEX NAME)

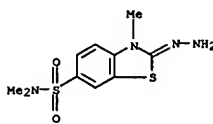


RN 157559-65-4 CAPLUS  
CN 2(3H)-Thiazolone, 5-methyl-3-(1-methylethyl)-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)

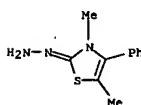
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



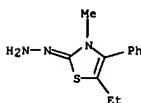
RN 130252-23-2 CAPLUS  
CN 6-Benzothiazolesulfonamide, 2-hydrazono-2,3-dihydro-N,N,3-trimethyl- (9CI) (CA INDEX NAME)



RN 138485-20-8 CAPLUS  
CN 2(3H)-Thiazolone, 3,5-dimethyl-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)

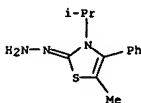


RN 138485-21-9 CAPLUS  
CN 2(3H)-Thiazolone, 5-ethyl-3-methyl-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)

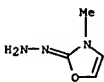


RN 138485-22-0 CAPLUS  
CN 2(3H)-Thiazolone, 3,4-dimethyl-5-phenyl-, hydrazone (9CI) (CA INDEX NAME)

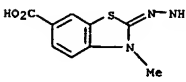
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



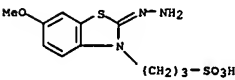
RN 178450-81-2 CAPLUS  
CN 2(3H)-Oxazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)



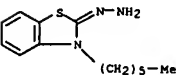
RN 185454-77-7 CAPLUS  
CN 6-Benzothiazolecarboxylic acid, 2-hydrazono-2,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)



RN 200630-28-0 CAPLUS  
CN 3(2H)-Benzothiazolepropanesulfonic acid, 2-hydrazono-6-methoxy- (9CI) (CA INDEX NAME)

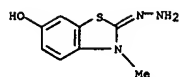


RN 215249-36-8 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-hexyl-, hydrazone (9CI) (CA INDEX NAME)

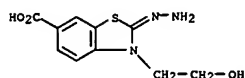


RN 382627-97-4 CAPLUS  
CN 2(3H)-Benzothiazolone, 6-hydroxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

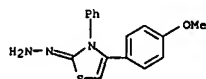
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



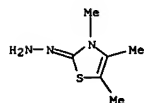
RN 383411-41-4 CAPLUS  
CN 6-Benzothiazolecarboxylic acid,  
2-hydrazono-2,3-dihydro-3-(2-hydroxyethyl)-  
(9CI) (CA INDEX NAME)



RN 676475-28-8 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-methoxyphenyl)-3-phenyl-, hydrazone (9CI) (CA INDEX NAME)

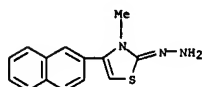


RN 692250-45-6 CAPLUS  
CN 2(3H)-Thiazolone, 3,4,5-trimethyl-, hydrazone (9CI) (CA INDEX NAME)

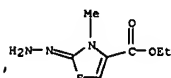


RN 718589-95-8 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-(2-nitrophenyl)-, hydrazone (9CI) (CA INDEX NAME)

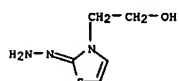
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



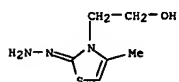
RN 753027-75-7 CAPLUS  
CN 4-Thiazolecarboxylic acid, 2-hydrazono-2,3-dihydro-3-methyl-, ethyl ester  
(9CI) (CA INDEX NAME)



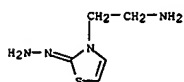
RN 753027-76-8 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-hydroxyethyl)-, hydrazone (9CI) (CA INDEX NAME)



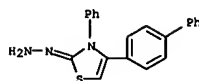
RN 753027-77-9 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-aminoethyl)-, hydrazone (9CI) (CA INDEX NAME)



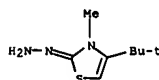
RN 753027-78-0 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)



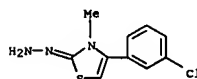
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



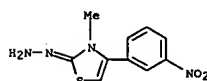
RN 753027-71-3 CAPLUS  
CN 2(3H)-Thiazolone, 4-(1,1-dimethylethyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 753027-72-4 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-(3-chlorophenyl)-, hydrazone (9CI) (CA INDEX NAME)



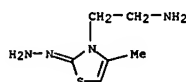
RN 753027-73-5 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-(3-nitrophenyl)-, hydrazone (9CI) (CA INDEX NAME)



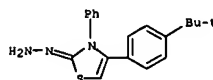
RN 753027-74-6 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-(2-naphthalenyl)-, hydrazone (9CI) (CA INDEX NAME)

L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

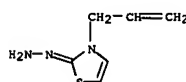
RN 753027-79-1 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-aminoethyl)-4-methyl-, hydrazone (9CI) (CA INDEX NAME)



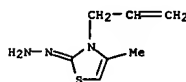
RN 753027-80-4 CAPLUS  
CN 2(3H)-Thiazolone, 4-[4-(1,1-dimethylethyl)phenyl]-3-phenyl-, hydrazone  
(9CI) (CA INDEX NAME)



RN 753027-81-5 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)



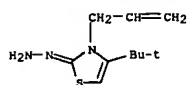
RN 753027-82-6 CAPLUS  
CN 2(3H)-Thiazolone, 4-methyl-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)



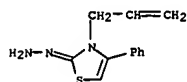
RN 753027-83-7 CAPLUS  
CN 2(3H)-Thiazolone, 4-(1,1-dimethylethyl)-3-(2-propenyl)-, hydrazone (9CI)  
(CA INDEX NAME)



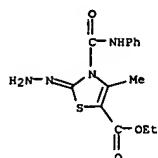
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



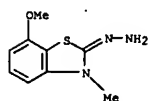
RN 753027-84-8 CAPLUS  
CN 2(3H)-Thiazolone, 4-phenyl-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)



RN 753027-85-9 CAPLUS  
CN 5-Thiazolecarboxylic acid, 2-hydrazono-2,3-dihydro-4-methyl-3-[(phenylamino)carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)

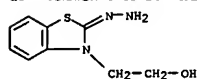


RN 753027-86-0 CAPLUS  
CN 2(3H)-Benzothiazolone, 7-methoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

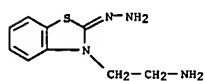


RN 753027-87-1 CAPLUS  
CN 4-Benzothiazolesulfonic acid, 2-hydrazono-2,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)

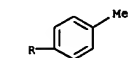
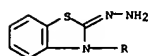
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



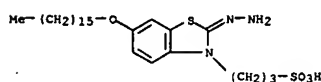
RN 753027-92-8 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-(2-aminoethyl)-, hydrazone (9CI) (CA INDEX NAME)



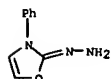
RN 753027-93-9 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-(4-methylphenyl)-, hydrazone (9CI) (CA INDEX NAME)



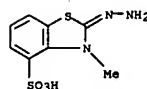
RN 753027-94-0 CAPLUS  
CN 3(2H)-Benzothiazolepropanesulfonic acid, 6-(hexadecyloxy)-2-hydrazono- (9CI) (CA INDEX NAME)



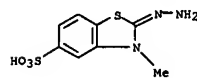
RN 753027-95-1 CAPLUS  
CN 2(3H)-Oxazolone, 3-phenyl-, hydrazone (9CI) (CA INDEX NAME)



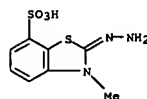
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



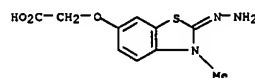
RN 753027-88-2 CAPLUS  
CN 5-Benzothiazolesulfonic acid, 2-hydrazono-2,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)



RN 753027-89-3 CAPLUS  
CN 7-Benzothiazolesulfonic acid, 2-hydrazono-2,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)



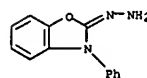
RN 753027-90-6 CAPLUS  
CN Acetic acid, [(2-hydrazono-2,3-dihydro-3-methyl-6-benzothiazolyl)oxy]- (9CI) (CA INDEX NAME)



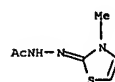
RN 753027-91-7 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-(2-hydroxyethyl)-, hydrazone (9CI) (CA INDEX NAME)

L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

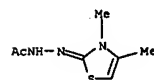
RN 753027-96-2 CAPLUS  
CN 2(3H)-Benzoxazolone, 3-phenyl-, hydrazone (9CI) (CA INDEX NAME)



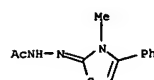
RN 753027-97-3 CAPLUS  
CN Acetic acid, (3-methyl-2(3H)-thiazolylidene)hydrazide (9CI) (CA INDEX NAME)



RN 753027-98-4 CAPLUS  
CN Acetic acid, (3,4-dimethyl-2(3H)-thiazolylidene)hydrazide (9CI) (CA INDEX NAME)

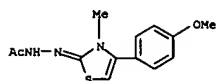


RN 753027-99-5 CAPLUS  
CN Acetic acid, (3-methyl-4-phenyl-2(3H)-thiazolylidene)hydrazide (9CI) (CA INDEX NAME)

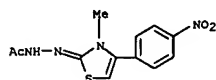


RN 753028-00-1 CAPLUS  
CN Acetic acid, [4-(4-methoxyphenyl)-3-methyl-2(3H)-thiazolylidene]hydrazide (9CI) (CA INDEX NAME)

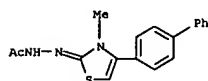
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



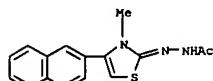
RN 753028-01-2 CAPLUS  
CN Acetic acid, [3-methyl-4-(4-nitrophenyl)-2(3H)-thiazolylidene]hydrazide (9CI) (CA INDEX NAME)



RN 753028-02-3 CAPLUS  
CN Acetic acid, [4-[1,1'-biphenyl]-4-yl-3-methyl-2(3H)-thiazolylidene]hydrazide (9CI) (CA INDEX NAME)

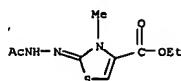


RN 753028-03-4 CAPLUS  
CN Acetic acid, [3-methyl-4-(2-naphthalenyl)-2(3H)-thiazolylidene]hydrazide (9CI) (CA INDEX NAME)

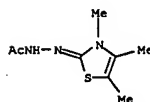


RN 753028-04-5 CAPLUS  
CN 4-Thiazolecarboxylic acid, 2-(acetylhydrazono)-2,3-dihydro-3-methyl-, ethyl ester (9CI) (CA INDEX NAME)

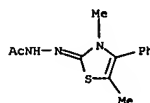
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



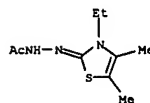
RN 753028-05-6 CAPLUS  
CN Acetic acid, [3,4,5-trimethyl-2(3H)-thiazolylidene]hydrazide (9CI) (CA INDEX NAME)



RN 753028-06-7 CAPLUS  
CN Acetic acid, [3,5-dimethyl-4-phenyl-2(3H)-thiazolylidene]hydrazide (9CI) (CA INDEX NAME)

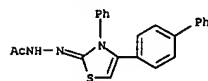


RN 753028-07-8 CAPLUS  
CN Acetic acid, [3-ethyl-4,5-dimethyl-2(3H)-thiazolylidene]hydrazide (9CI) (CA INDEX NAME)

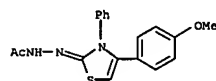


RN 753028-08-9 CAPLUS  
CN Acetic acid, [4-[1,1'-biphenyl]-4-yl-3-phenyl-2(3H)-thiazolylidene]hydrazide (9CI) (CA INDEX NAME)

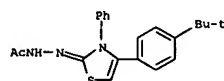
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



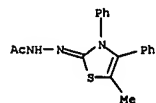
RN 753028-09-0 CAPLUS  
CN Acetic acid, [4-(4-methoxyphenyl)-3-phenyl-2(3H)-thiazolylidene]hydrazide (9CI) (CA INDEX NAME)



RN 753028-10-3 CAPLUS  
CN Acetic acid, [4-[4-(1,1-dimethylethyl)phenyl]-3-phenyl-2(3H)-thiazolylidene]hydrazide (9CI) (CA INDEX NAME)

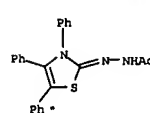


RN 753028-11-4 CAPLUS  
CN Acetic acid, [5-methyl-3,4-diphenyl-2(3H)-thiazolylidene]hydrazide (9CI) (CA INDEX NAME)

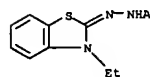


RN 753028-12-5 CAPLUS  
CN Acetic acid, [3,4,5-triphenyl-2(3H)-thiazolylidene]hydrazide (9CI) (CA INDEX NAME)

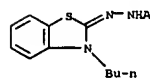
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



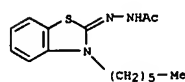
RN 753028-13-6 CAPLUS  
CN Acetic acid, [3-ethyl-2(3H)-benzothiazolylidene]hydrazide (9CI) (CA INDEX NAME)



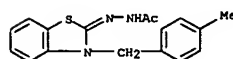
RN 753028-14-7 CAPLUS  
CN Acetic acid, [3-butyl-2(3H)-benzothiazolylidene]hydrazide (9CI) (CA INDEX NAME)



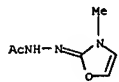
RN 753028-15-8 CAPLUS  
CN Acetic acid, [3-hexyl-2(3H)-benzothiazolylidene]hydrazide (9CI) (CA INDEX NAME)



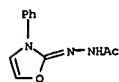
RN 753028-16-9 CAPLUS  
CN Acetic acid, [3-[(4-methylphenyl)methyl]-2(3H)-benzothiazolylidene]hydrazide (9CI) (CA INDEX NAME)



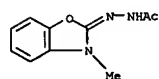
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 RN 753028-17-0 CAPLUS  
 CN Acetic acid, (3-methyl-2(3H)-oxazolyldene)hydrazide (9CI) (CA INDEX NAME)



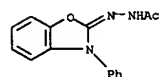
RN 753028-18-1 CAPLUS  
 CN Acetic acid, (3-phenyl-2(3H)-oxazolyldene)hydrazide (9CI) (CA INDEX NAME)



RN 753028-19-2 CAPLUS  
 CN Acetic acid, (3-methyl-2(3H)-benzoxazolyldene)hydrazide (9CI) (CA INDEX NAME)

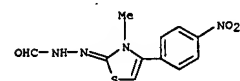


RN 753028-20-5 CAPLUS  
 CN Acetic acid, (3-phenyl-2(3H)-benzoxazolyldene)hydrazide (9CI) (CA INDEX NAME)

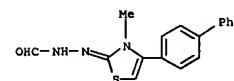


RN 753028-21-6 CAPLUS  
 CN Hydrazinecarboxaldehyde, (3-methyl-2(3H)-thiazolyldene)- (9CI) (CA INDEX NAME)

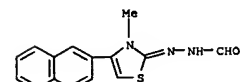
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



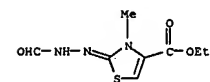
RN 753028-26-1 CAPLUS  
 CN Hydrazinecarboxaldehyde, (4-[1,1'-biphenyl]-4-yl-3-methyl-2(3H)-thiazolyldene)- (9CI) (CA INDEX NAME)



RN 753028-27-2 CAPLUS  
 CN Hydrazinecarboxaldehyde, (3-methyl-4-(2-naphthalenyl)-2(3H)-thiazolyldene)- (9CI) (CA INDEX NAME)

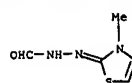


RN 753028-28-3 CAPLUS  
 CN 4-Thiazolecarboxylic acid, 2-[(oxymethylhydrazono)-2,3-dihydro-3-methyl-, ethyl ester (9CI) (CA INDEX NAME)

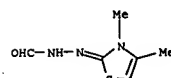


RN 753028-29-4 CAPLUS  
 CN Hydrazinecarboxaldehyde, (3,4,5-trimethyl-2(3H)-thiazolyldene)- (9CI) (CA INDEX NAME)

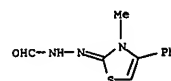
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



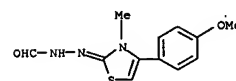
RN 753028-22-7 CAPLUS  
 CN Hydrazinecarboxaldehyde, (3,4-dimethyl-2(3H)-thiazolyldene)- (9CI) (CA INDEX NAME)



RN 753028-23-8 CAPLUS  
 CN Hydrazinecarboxaldehyde, (3-methyl-4-phenyl-2(3H)-thiazolyldene)- (9CI) (CA INDEX NAME)

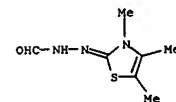


RN 753028-24-9 CAPLUS  
 CN Hydrazinecarboxaldehyde, (4-(4-methoxyphenyl)-3-methyl-2(3H)-thiazolyldene)- (9CI) (CA INDEX NAME)

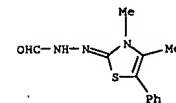


RN 753028-25-0 CAPLUS  
 CN Hydrazinecarboxaldehyde, (3-methyl-4-(4-nitrophenyl)-2(3H)-thiazolyldene)- (9CI) (CA INDEX NAME)

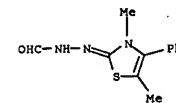
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



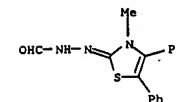
RN 753028-30-7 CAPLUS  
 CN Hydrazinecarboxaldehyde, (3,4-dimethyl-5-phenyl-2(3H)-thiazolyldene)- (9CI) (CA INDEX NAME)



RN 753028-31-8 CAPLUS  
 CN Hydrazinecarboxaldehyde, (3,5-dimethyl-4-phenyl-2(3H)-thiazolyldene)- (9CI) (CA INDEX NAME)

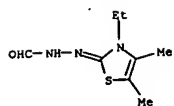


RN 753028-32-9 CAPLUS  
 CN Hydrazinecarboxaldehyde, (3-methyl-4,5-diphenyl-2(3H)-thiazolyldene)- (9CI) (CA INDEX NAME)

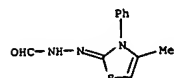


RN 753028-33-0 CAPLUS  
 CN Hydrazinecarboxaldehyde, (3-ethyl-4,5-dimethyl-2(3H)-thiazolyldene)- (9CI) (CA INDEX NAME)

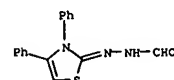
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



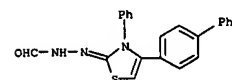
RN 753028-34-1 CAPLUS  
CN Hydrazinecarboxaldehyde, (4-methyl-3-phenyl-2(3H)-thiazolylidene)- (9CI) (CA INDEX NAME)



RN 753028-35-2 CAPLUS  
CN Hydrazinecarboxaldehyde, (3,4-diphenyl-2(3H)-thiazolylidene)- (9CI) (CA INDEX NAME)

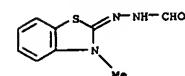


RN 753028-36-3 CAPLUS  
CN Hydrazinecarboxaldehyde, (4-[1,1'-biphenyl]-4-yl-3-phenyl-2(3H)-thiazolylidene)- (9CI) (CA INDEX NAME)

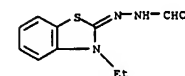


RN 753028-37-4 CAPLUS  
CN Hydrazinecarboxaldehyde, [4-(4-methoxyphenyl)-3-phenyl-2(3H)-thiazolylidene]- (9CI) (CA INDEX NAME)

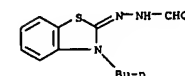
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



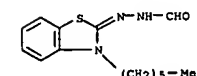
RN 753028-42-1 CAPLUS  
CN Hydrazinecarboxaldehyde, (3-ethyl-2(3H)-benzothiazolylidene)- (9CI) (CA INDEX NAME)



RN 753028-43-2 CAPLUS  
CN Hydrazinecarboxaldehyde, (3-butyl-2(3H)-benzothiazolylidene)- (9CI) (CA INDEX NAME)

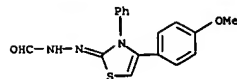


RN 753028-44-3 CAPLUS  
CN Hydrazinecarboxaldehyde, (3-hexyl-2(3H)-benzothiazolylidene)- (9CI) (CA INDEX NAME)

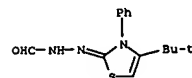


RN 753028-45-4 CAPLUS  
CN Hydrazinecarboxaldehyde, [3-[(4-methylphenyl)methyl]-2(3H)-benzothiazolylidene]- (9CI) (CA INDEX NAME)

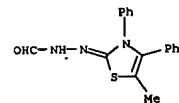
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



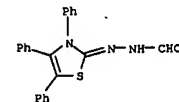
RN 753028-38-5 CAPLUS  
CN Hydrazinecarboxaldehyde, (4-[(1,1-dimethylethyl)-3-phenyl-2(3H)-thiazolylidene]- (9CI) (CA INDEX NAME)



RN 753028-39-6 CAPLUS  
CN Hydrazinecarboxaldehyde, (5-methyl-3,4-diphenyl-2(3H)-thiazolylidene)- (9CI) (CA INDEX NAME)

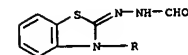


RN 753028-40-9 CAPLUS  
CN Hydrazinecarboxaldehyde, (3,4,5-triphenyl-2(3H)-thiazolylidene)- (9CI) (CA INDEX NAME)

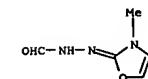


RN 753028-41-0 CAPLUS  
CN Hydrazinecarboxaldehyde, (3-methyl-2(3H)-benzothiazolylidene)- (9CI) (CA INDEX NAME)

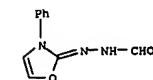
L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



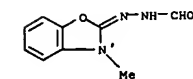
RN 753028-46-5 CAPLUS  
CN Hydrazinecarboxaldehyde, (3-methyl-2(3H)-oxazolylidene)- (9CI) (CA INDEX NAME)



RN 753028-47-6 CAPLUS  
CN Hydrazinecarboxaldehyde, (3-phenyl-2(3H)-oxazolylidene)- (9CI) (CA INDEX NAME)

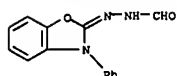


RN 753028-48-7 CAPLUS  
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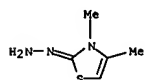


RN 753028-49-8 CAPLUS  
CN Hydrazinecarboxaldehyde, (3-phenyl-2(3H)-benzoxazolylidene)- (9CI) (CA INDEX NAME)

L5 ANSWER 6 OF 20 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

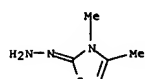


IT 114252-54-9P  
 RL: COS (Cosmetic use); PRP (Properties); SPN (Synthetic preparation);  
 BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (oxidative hair dyes with bleaching agent containing hydrazone  
 compds. as developing agents)  
 RN 114252-54-9 CAPLUS  
 CN 2(3H)-Thiazolone, 3,4-dimethyl-, hydrazone, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

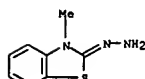
IT 114252-53-8P  
 RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP  
 (Preparation); RACT (Reactant or reagent)  
 (oxidative hair dyes with bleaching agent containing hydrazone  
 compds. as developing agents)  
 RN 114252-53-8 CAPLUS  
 CN 2(3H)-Thiazolone, 3,4-dimethyl-, hydrazone (9CI) (CA INDEX NAME)



L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

21817-86-7 21817-87-8 21817-88-9  
 21817-89-0 21817-90-3 21817-91-4  
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 28219-07-0 28219-33-2 28219-40-1  
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 754201-58-6 754201-59-7  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (oxidative hair dyes with bleaching agent contg. hydrazone  
 compds. as developing agents)

RN 1128-67-2 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 3161-77-1 CAPLUS  
 CN 5-Thiazolecarboxylic acid, 2-hydrazono-2,3-dihydro-3,4-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)

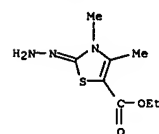
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS ON STN

AN 2004:755998 CAPLUS  
 DN 141:265567  
 TI Oxidative hair dyes with bleaching agent containing hydrazone  
 compounds as developing agents  
 IN Pasquier, Cecile; Kiener, Caroline; Braun, Hans-Juergen  
 PA Wella Ag, Germany  
 SO Ger. Offen., 15 pp.  
 CODEN: GWXBX  
 DT Patent  
 LA German  
 FAN. CNT 1

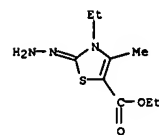
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BR 2004005649	A	20050719	BR 2004-5649	20040130
EP 1601335	A1	20051207	EP 2004-706670	20040130
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
JP 200619240	T	20060824	JP 2006-504402	20040130
US 2006162096	A1	20060727	US 2005-530065	20050324
PRAI DE 2003-10309522	A	20030305		
WO 2004-EP816	W	20040130		

OS MARPAT 141:265567  
 AB The invention concerns hair preps. for simultaneous bleaching and dyeing; the compns. include as developing agents thiazole, oxazole, imidazole, benzothiazole, benzoxazole, triazole and thiadiazole derivs.  
 of hydrazone; further ingredients are coupling dyes and a persulfate as oxidation/bleaching agent. Thus 3,4-dimethyl-2(3H)-thiazolone-1-(methylenehydride)-hydrazone was prepared by reacting 21 g 4-methyl-3-thiosemicarbazide with 20.4 g chloroacetone in acetone at b.p. under reflux. The product was recrystd. from acetone; 23 orange powder was obtained. 3.5 G of the 3,4-dimethyl-2(3H)-thiazolone-1-(methylenehydride)-hydrazone was treated with 60 mL 6 M HCl at 50°C for 30 min; the reaction product was concentrated and recrystd. from ethanol to yield 2 g pink 3,4-dimethyl-2(3H)-thiazolone-hydrazone hydrochloride. A hair dye composition included (g): component A1: Plantaren 2000 (50% solution) 4.00; EDTA disodium salt 0.20; ethanol 5.00;  
 3,4-dimethyl-2(3H)-thiazolone-hydrazone hydrochloride hydrate 0.58; water to 100; component A2: 1,3-diaminobenzene 0.27; potassium persulfate 0.67.  
 IT 1128-67-2 3161-77-1 3316-70-9  
 15315-48-7 20065-04-7 20065-05-8  
 20065-06-9 20125-57-9 21337-39-3  
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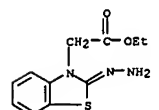
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)



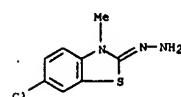
RN 3316-70-9 CAPLUS  
 CN 5-Thiazolecarboxylic acid, 2-hydrazono-2,3-dihydro-4-methyl-, ethyl ester (9CI) (CA INDEX NAME)



RN 15315-48-7 CAPLUS  
 CN 3(2H)-Benzothiazoleacetic acid, 2-hydrazono-, ethyl ester (9CI) (CA INDEX NAME)

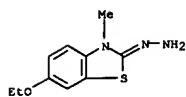


RN 20065-04-7 CAPLUS  
 CN 2(3H)-Benzothiazolone, 6-chloro-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

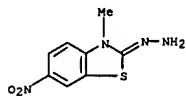


RN 20065-05-8 CAPLUS  
 CN 2(3H)-Benzothiazolone, 6-ethoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

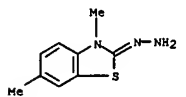
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
(CA INDEX NAME)



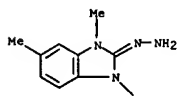
RN 20065-06-9 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-methyl-6-nitro-, hydrazone (9CI) (CA INDEX NAME)



RN 20125-57-9 CAPLUS  
CN 2(3H)-Benzothiazolone, 3,6-dimethyl-, hydrazone (9CI) (CA INDEX NAME)

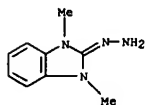


RN 21337-39-3 CAPLUS  
CN 2H-Benzimidazol-2-one, 1,3-dihydro-1,3,5-trimethyl-, hydrazone (9CI) (CA INDEX NAME)

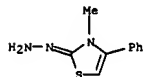


RN 21337-40-6 CAPLUS  
CN 2H-Benzimidazol-2-one, 5-chloro-1,3-dihydro-1,3-dimethyl-, hydrazone (9CI)

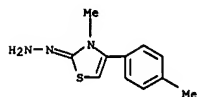
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
INDEX NAME)



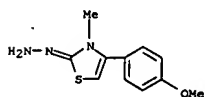
RN 21817-85-6 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 21817-86-7 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-(4-methylphenyl)-, hydrazone (9CI) (CA INDEX NAME)

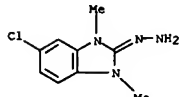


RN 21817-87-8 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-methoxyphenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

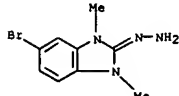


RN 21817-88-9 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-ethoxyphenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

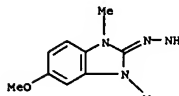
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
(CA INDEX NAME)



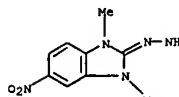
RN 21337-41-7 CAPLUS  
CN 2H-Benzimidazol-2-one, 5-bromo-1,3-dihydro-1,3-dimethyl-, hydrazone (9CI) (CA INDEX NAME)



RN 21337-42-8 CAPLUS  
CN 2H-Benzimidazol-2-one, 1,3-dihydro-5-methoxy-1,3-dimethyl-, hydrazone (9CI) (CA INDEX NAME)

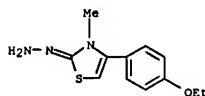


RN 21337-43-9 CAPLUS  
CN 2H-Benzimidazol-2-one, 1,3-dihydro-1,3-dimethyl-5-nitro-, hydrazone (9CI) (CA INDEX NAME)

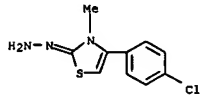


RN 21337-45-1 CAPLUS  
CN 2H-Benzimidazol-2-one, 1,3-dihydro-1,3-dimethyl-, hydrazone (9CI) (CA INDEX NAME)

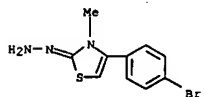
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



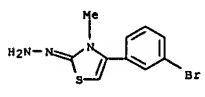
RN 21817-89-0 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-chlorophenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 21817-90-3 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-bromophenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

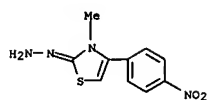


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CN 2(3H)-Thiazolone, 4-(3-bromophenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

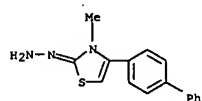


RN 21817-92-5 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-(4-nitrophenyl)-, hydrazone (9CI) (CA INDEX NAME)

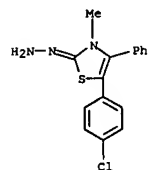
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 21882-34-8 CAPLUS  
CN 2(3H)-Thiazolone, 4-[(1,1'-biphenyl)-4-yl]-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



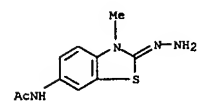
RN 27893-83-0 CAPLUS  
CN 2(3H)-Thiazolone, 5-(4-chlorophenyl)-3-methyl-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)



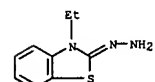
RN 27893-84-1 CAPLUS  
CN 2(3H)-Thiazolone, 5-(4-chlorophenyl)-4-(4-methoxyphenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

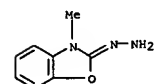
RN 28218-90-8 CAPLUS  
CN Acetamide, N-(2-hydrazono-2,3-dihydro-3-methyl-6-benzothiazolyl)- (9CI) (CA INDEX NAME)



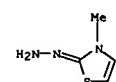
RN 28218-93-1 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-ethyl-, hydrazone (9CI) (CA INDEX NAME)



RN 28219-07-0 CAPLUS  
CN 2(3H)-Benzoxazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)

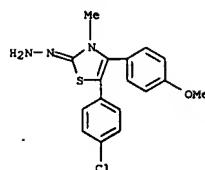


RN 28219-33-2 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)

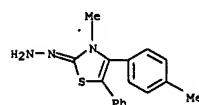


RN 28219-40-1 CAPLUS  
CN 2(3H)-Benzothiazolone, 4,5,6,7-tetrahydro-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

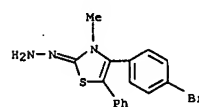
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



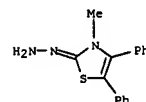
RN 27893-86-3 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-(4-methylphenyl)-5-phenyl-, hydrazone (9CI) (CA INDEX NAME)



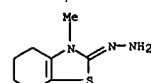
RN 27893-88-5 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-bromophenyl)-3-methyl-5-phenyl-, hydrazone (9CI) (CA INDEX NAME)



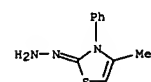
RN 28029-80-3 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)



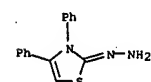
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



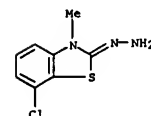
RN 33167-60-1 CAPLUS  
CN 2(3H)-Thiazolone, 4-methyl-3-phenyl-, hydrazone (9CI) (CA INDEX NAME)



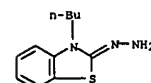
RN 41339-01-9 CAPLUS  
CN 2(3H)-Thiazolone, 3,4-diphenyl-, hydrazone (9CI) (CA INDEX NAME)



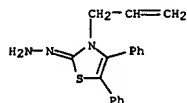
RN 51769-42-7 CAPLUS  
CN 2(3H)-Benzothiazolone, 7-chloro-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



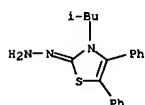
RN 60448-01-3 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-butyl-, hydrazone (9CI) (CA INDEX NAME)



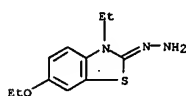
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 RN 64071-37-0 CAPLUS  
 CN 2(3H)-Thiazolone, 4,5-diphenyl-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)



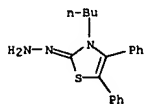
RN 64071-38-1 CAPLUS  
 CN 2(3H)-Thiazolone, 3-(2-methylpropyl)-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)



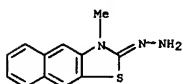
RN 64873-66-1 CAPLUS  
 CN 2(3H)-Benzothiazolone, 6-ethoxy-3-ethyl-, hydrazone (9CI) (CA INDEX NAME)



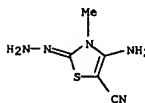
RN 67644-68-2 CAPLUS  
 CN 2(3H)-Thiazolone, 3-butyl-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)



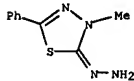
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 RN 76411-65-9 CAPLUS  
 CN Naphtho[2,3-d]thiazol-2(3H)-one, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)



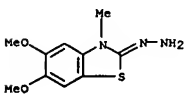
RN 81402-80-4 CAPLUS  
 CN 5-Thiazolecarbonitrile, 4-amino-2-hydrazono-2,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)



RN 92474-95-8 CAPLUS  
 CN 1,3,4-Thiadiazol-2(3H)-one, 3-methyl-5-phenyl-, hydrazone (9CI) (CA INDEX NAME)

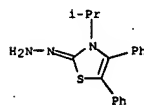


RN 94267-69-3 CAPLUS  
 CN 2(3H)-Benzothiazolone, 5,6-dimethoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

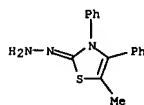


RN 104410-33-5 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-propyl-, hydrazone (9CI) (CA INDEX NAME)

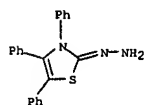
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 RN 67644-69-3 CAPLUS  
 CN 2(3H)-Thiazolone, 3-(1-methylethyl)-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)



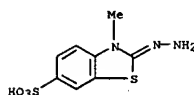
RN 68746-10-1 CAPLUS  
 CN 2(3H)-Thiazolone, 5-methyl-3,4-diphenyl-, hydrazone (9CI) (CA INDEX NAME)



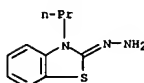
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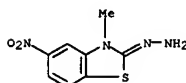
RN 71176-53-9 CAPLUS  
 CN 6-Benzothiazolesulfonic acid, 2-hydrazono-2,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)



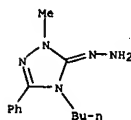
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



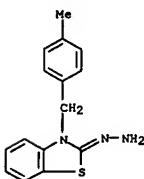
RN 108129-92-6 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-methyl-5-nitro-, hydrazone (9CI) (CA INDEX NAME)



RN 108872-91-9 CAPLUS  
 CN 3H-1,2,4-Triazol-3-one, 4-butyl-2,4-dihydro-2-methyl-5-phenyl-, hydrazone (9CI) (CA INDEX NAME)



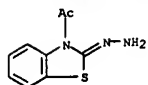
RN 109514-20-7 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-[(4-methylphenyl)methyl]-, hydrazone (9CI) (CA INDEX NAME)



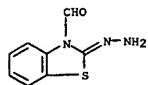
RN 110226-87-4 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-acetyl-, 2-hydrazono (9CI) (CA INDEX NAME)



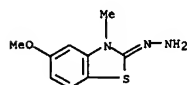
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



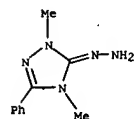
RN 110226-89-6 CAPLUS  
CN 3(2H)-Benzothiazol-3-one, 2-hydrazono- (9CI) (CA INDEX NAME)



RN 110274-77-6 CAPLUS  
CN 2(3H)-Benzothiazolone, 5-methoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

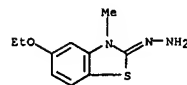


RN 110394-83-7 CAPLUS  
CN 3H-1,2,4-Triazol-3-one, 2,4-dihydro-2,4-dimethyl-5-phenyl-, hydrazone (9CI) (CA INDEX NAME)

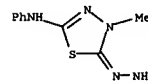


RN 111427-05-5 CAPLUS  
CN 1,3,4-Thiadiazol-2(3H)-one, 4,5-dimethyl-3-(phenylmethyl)-, hydrazone (9CI) (CA INDEX NAME)

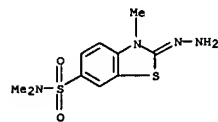
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



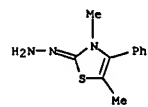
RN 119272-02-5 CAPLUS  
CN 1,3,4-Thiadiazol-2(3H)-one, 3-methyl-5-(phenylamino)-, hydrazone (9CI) (CA INDEX NAME)



RN 130252-23-2 CAPLUS  
CN 6-Benzothiazolesulfonamide, 2-hydrazono-2,3-dihydro-N,N,3-trimethyl- (9CI) (CA INDEX NAME)

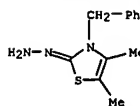


RN 138485-20-8 CAPLUS  
CN 2(3H)-Thiazolone, 3,5-dimethyl-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)

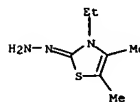


RN 138485-21-9 CAPLUS  
CN 2(3H)-Thiazolone, 5-ethyl-3-methyl-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)

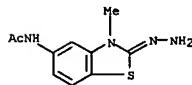
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



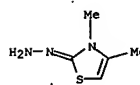
RN 111427-06-6 CAPLUS  
CN 2(3H)-Thiazolone, 3-ethyl-4,5-dimethyl-, hydrazone (9CI) (CA INDEX NAME)



RN 114098-30-5 CAPLUS  
CN Acetamide, N-(2-hydrazono-2,3-dihydro-3-methyl-5-benzothiazolyl)- (9CI) (CA INDEX NAME)

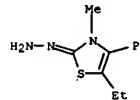


RN 114252-53-8 CAPLUS  
CN 2(3H)-Thiazolone, 3,4-dimethyl-, hydrazone (9CI) (CA INDEX NAME)

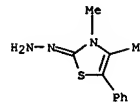


RN 117043-63-7 CAPLUS  
CN 2(3H)-Benzothiazolone, 5-ethoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

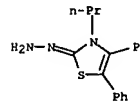
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



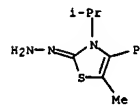
RN 138485-22-0 CAPLUS  
CN 2(3H)-Thiazolone, 3,4-dimethyl-5-phenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 139262-46-7 CAPLUS  
CN 2(3H)-Thiazolone, 4,5-diphenyl-3-propyl-, hydrazone (9CI) (CA INDEX NAME)

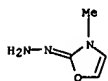


RN 157559-65-4 CAPLUS  
CN 2(3H)-Thiazolone, 5-methyl-3-(1-methylethyl)-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)

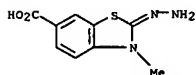


RN 178450-81-2 CAPLUS  
CN 2(3H)-Oxazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)

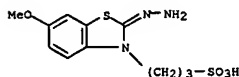
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



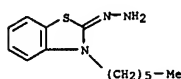
RN 185454-77-7 CAPLUS  
CN 6-Benzothiazolecarboxylic acid, 2-hydrazone-2,3-dihydro-3-methyl- (9CI)  
(CA INDEX NAME)



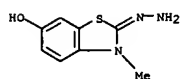
RN 200630-28-0 CAPLUS  
CN 3(2H)-Benzothiazolepropanesulfonic acid, 2-hydrazone-6-methoxy- (9CI)  
(CA INDEX NAME)



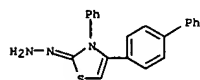
RN 215249-36-8 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-hexyl-, hydrazone (9CI) (CA INDEX NAME)



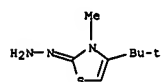
RN 382627-87-4 CAPLUS  
CN 2(3H)-Benzothiazolone, 6-hydroxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



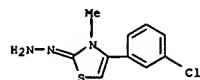
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
CN 2(3H)-Thiazolone, 4-[1,1'-biphenyl]-4-yl-3-phenyl-, hydrazone (9CI) (CA INDEX NAME)



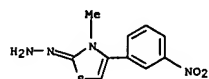
RN 753027-71-3 CAPLUS  
CN 2(3H)-Thiazolone, 4-(1,1-dimethylethyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 753027-72-4 CAPLUS  
CN 2(3H)-Thiazolone, 4-(3-chlorophenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



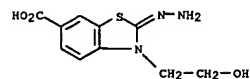
RN 753027-73-5 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-(3-nitrophenyl)-, hydrazone (9CI) (CA INDEX NAME)



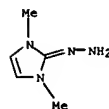
RN 753027-74-6 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-(2-naphthalenyl)-, hydrazone (9CI) (CA INDEX NAME)

L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

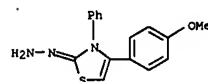
RN 383411-41-4 CAPLUS  
CN 6-Benzothiazolecarboxylic acid, 2-hydrazone-2,3-dihydro-3-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



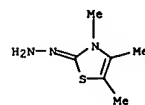
RN 461388-49-8 CAPLUS  
CN 2H-Imidazol-2-one, 1,3-dihydro-1,3-dimethyl-, hydrazone (9CI) (CA INDEX NAME)



RN 676475-28-8 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-methoxyphenyl)-3-phenyl-, hydrazone (9CI) (CA INDEX NAME)

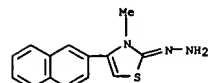


RN 692250-45-6 CAPLUS  
CN 2(3H)-Thiazolone, 3,4,5-trimethyl-, hydrazone (9CI) (CA INDEX NAME)

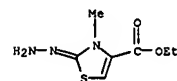


RN 718589-95-8 CAPLUS

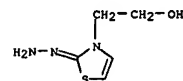
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



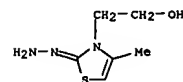
RN 753027-75-7 CAPLUS  
CN 4-Thiazolecarboxylic acid, 2-hydrazone-2,3-dihydro-3-methyl-, ethyl ester (9CI) (CA INDEX NAME)



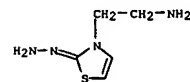
RN 753027-76-8 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-hydroxyethyl)-, hydrazone (9CI) (CA INDEX NAME)



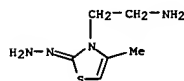
RN 753027-77-9 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-hydroxyethyl)-4-methyl-, hydrazone (9CI) (CA INDEX NAME)



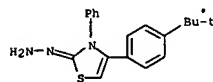
RN 753027-78-0 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-aminoethyl)-, hydrazone (9CI) (CA INDEX NAME)



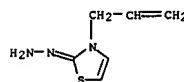
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 RN 753027-79-1 CAPLUS  
 CN 2(3H)-Thiazolone, 3-(2-aminoethyl)-4-methyl-, hydrazone (9CI) (CA INDEX NAME)



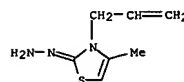
RN 753027-80-4 CAPLUS  
 CN 2(3H)-Thiazolone, 4-[4-(1,1-dimethylethyl)phenyl]-3-phenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 753027-81-5 CAPLUS  
 CN 2(3H)-Thiazolone, 3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)

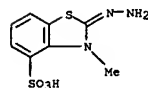


RN 753027-82-6 CAPLUS  
 CN 2(3H)-Thiazolone, 4-methyl-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)

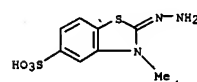


RN 753027-83-7 CAPLUS  
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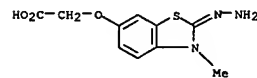
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 INDEX NAME)



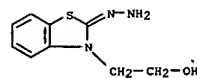
RN 753027-88-2 CAPLUS  
 CN 5-Benzothiazolesulfonic acid, 2-hydrazono-2,3-dihydro-3-methyl-, (9CI)  
 (CA INDEX NAME)



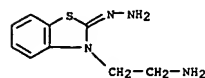
RN 753027-90-6 CAPLUS  
 CN Acetic acid, [(2-hydrazono-2,3-dihydro-3-methyl-6-benzothiazolyl)oxy]- (9CI) (CA INDEX NAME)



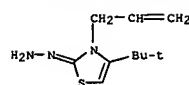
RN 753027-91-7 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-(2-hydroxyethyl)-, hydrazone (9CI) (CA INDEX NAME)



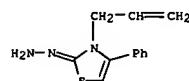
RN 753027-92-8 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-(2-aminoethyl)-, hydrazone (9CI) (CA INDEX NAME)



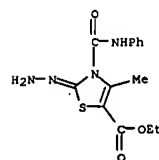
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



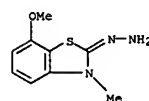
RN 753027-84-8 CAPLUS  
 CN 2(3H)-Thiazolone, 4-phenyl-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)



RN 753027-85-9 CAPLUS  
 CN 5-Thiazolecarboxylic acid, 2-hydrazono-2,3-dihydro-4-methyl-3-[(phenylamino)carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)



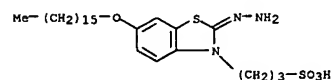
RN 753027-86-0 CAPLUS  
 CN 2(3H)-Benzothiazolone, 7-methoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



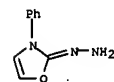
RN 753027-87-1 CAPLUS  
 CN 4-Benzothiazolesulfonic acid, 2-hydrazono-2,3-dihydro-3-methyl-, (9CI)  
 (CA INDEX NAME)

L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

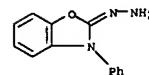
RN 753027-94-0 CAPLUS  
 CN 3(2H)-Benzothiazolepropanesulfonic acid, 6-(hexadecyloxy)-2-hydrazono- (9CI) (CA INDEX NAME)



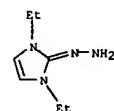
RN 753027-95-1 CAPLUS  
 CN 2(3H)-Oxazolone, 3-phenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 753027-96-2 CAPLUS  
 CN 2(3H)-Benzoxazolone, 3-phenyl-, hydrazone (9CI) (CA INDEX NAME)

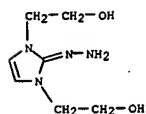


RN 754201-32-6 CAPLUS  
 CN 2H-Imidazol-2-one, 1,3-diethyl-1,3-dihydro-, hydrazone (9CI) (CA INDEX NAME)

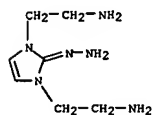


RN 754201-33-7 CAPLUS  
 CN 2H-Imidazol-2-one, 1,3-bis(2-hydroxyethyl)-, hydrazone (9CI) (CA INDEX NAME)

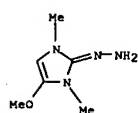
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



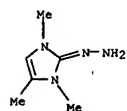
RN 754201-34-8 CAPLUS  
CN 2H-Imidazol-2-one, 1,3-bis(2-aminoethyl)-1,3-dihydro-, hydrazone (9CI)  
(CA INDEX NAME)



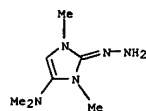
RN 754201-35-9 CAPLUS  
CN 2H-Imidazol-2-one, 1,3-dihydro-4-methoxy-1,3-dimethyl-, hydrazone (9CI)  
(CA INDEX NAME)



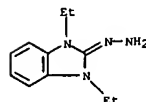
RN 754201-36-0 CAPLUS  
CN 2H-Imidazol-2-one, 1,3-dihydro-1,3,4-trimethyl-, hydrazone (9CI) (CA INDEX NAME)



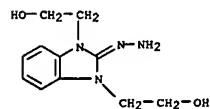
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



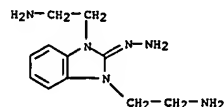
RN 754201-41-7 CAPLUS  
CN 2H-Benzimidazol-2-one, 1,3-diethyl-1,3-dihydro-, hydrazone (9CI) (CA INDEX NAME)



RN 754201-42-8 CAPLUS  
CN 2H-Benzimidazol-2-one, 1,3-dihydro-1,3-bis(2-hydroxyethyl)-, hydrazone (9CI) (CA INDEX NAME)



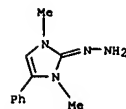
RN 754201-43-9 CAPLUS  
CN 2H-Benzimidazol-2-one, 1,3-bis(2-aminoethyl)-1,3-dihydro-, hydrazone (9CI) (CA INDEX NAME)



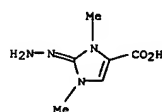
RN 754201-44-0 CAPLUS  
CN 2H-Benzimidazol-2-one, 4,7-dibromo-1,3-dihydro-1,3-dimethyl-, hydrazone (9CI) (CA INDEX NAME)

L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

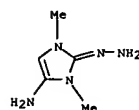
RN 754201-37-1 CAPLUS  
CN 2H-Imidazol-2-one, 1,3-dihydro-1,3-dimethyl-4-phenyl-, hydrazone (9CI)  
(CA INDEX NAME)



RN 754201-38-2 CAPLUS  
CN 1H-Imidazole-4-carboxylic acid, 2-hydrazone-2,3-dihydro-1,3-dimethyl- (9CI) (CA INDEX NAME)

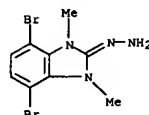


RN 754201-39-3 CAPLUS  
CN 2H-Imidazol-2-one, 4-amino-1,3-dihydro-1,3-dimethyl-, hydrazone (9CI)  
(CA INDEX NAME)

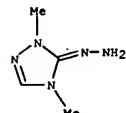


RN 754201-40-6 CAPLUS  
CN 2H-Imidazol-2-one, 4-(dimethylamino)-1,3-dihydro-1,3-dimethyl-, hydrazone (9CI) (CA INDEX NAME)

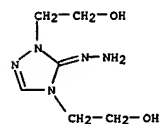
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



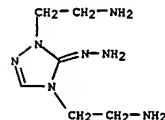
RN 754201-45-1 CAPLUS  
CN 3H-1,2,4-Triazol-3-one, 2,4-dihydro-2,4-dimethyl-, hydrazone (9CI) (CA INDEX NAME)



RN 754201-46-2 CAPLUS  
CN 3H-1,2,4-Triazol-3-one, 2,4-dihydro-2,4-bis(2-hydroxyethyl)-, hydrazone (9CI) (CA INDEX NAME)

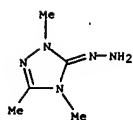


RN 754201-47-3 CAPLUS  
CN 3H-1,2,4-Triazol-3-one, 2,4-bis(2-aminoethyl)-2,4-dihydro-, hydrazone (9CI) (CA INDEX NAME)

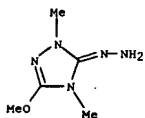


RN 754201-48-4 CAPLUS  
CN 3H-1,2,4-Triazol-3-one, 2,4-dihydro-2,4,5-trimethyl-, hydrazone (9CI)  
(CA INDEX NAME)

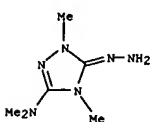
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



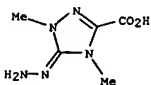
RN 754201-49-5 CAPLUS  
CN 3H-1,2,4-Triazol-3-one, 2,4-dihydro-5-methoxy-2,4-dimethyl-, hydrazone (9CI) (CA INDEX NAME)



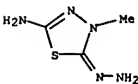
RN 754201-50-8 CAPLUS  
CN 3H-1,2,4-Triazol-3-one, 5-(dimethylamino)-2,4-dihydro-2,4-dimethyl-, hydrazone (9CI) (CA INDEX NAME)



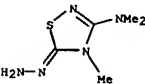
RN 754201-51-9 CAPLUS  
CN 1H-1,2,4-Triazole-3-carboxylic acid, 5-hydrazone-4,5-dihydro-1,4-dimethyl- (9CI) (CA INDEX NAME)



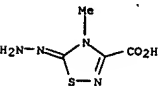
L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



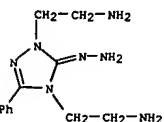
RN 754201-57-5 CAPLUS  
CN 1,2,4-Thiadiazol-5(4H)-one, 3-(dimethylamino)-4-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 754201-58-6 CAPLUS  
CN 1,2,4-Thiadiazol-5(4H)-one, 3-(dimethylamino)-4-methyl-, hydrazone (9CI) (CA INDEX NAME)



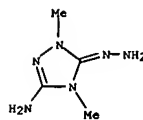
RN 754201-59-7 CAPLUS  
CN 3H-1,2,4-Triazol-3-one, 2,4-bis(2-aminoethyl)-2,4-dihydro-5-phenyl-, hydrazone (9CI) (CA INDEX NAME)



IT 114252-54-9P  
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(oxidative hair dyes with bleaching agent containing hydrazone compds. as developing agents)  
RN 114252-54-9 CAPLUS  
CN 2(3H)-Thiazolone, 3,4-dimethyl-, hydrazone, monohydrochloride (9CI) (CA

L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

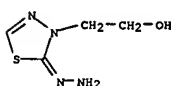
RN 754201-52-0 CAPLUS  
CN 3H-1,2,4-Triazol-3-one, 5-amino-2,4-dihydro-2,4-dimethyl-, hydrazone (9CI) (CA INDEX NAME)



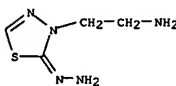
RN 754201-53-1 CAPLUS  
CN 1,3,4-Thiadiazol-2(3H)-one, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 754201-54-2 CAPLUS  
CN 1,3,4-Thiadiazol-2(3H)-one, 3-(2-hydroxyethyl)-, hydrazone (9CI) (CA INDEX NAME)

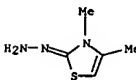


RN 754201-55-3 CAPLUS  
CN 1,3,4-Thiadiazol-2(3H)-one, 3-(2-aminoethyl)-, hydrazone (9CI) (CA INDEX NAME)



RN 754201-56-4 CAPLUS  
CN 1,3,4-Thiadiazol-2(3H)-one, 5-amino-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

L5 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

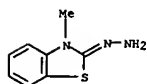


● HCl

L5 ANSWER 8 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2004:291073 CAPLUS  
 DN 140:326607  
 TI Hair dye composition comprising at least a heterocyclic oxidation base and at least a substituted 2,3-diaminopyridine coupler  
 IN Kravtchenko, Sylvain; Lagrange, Alain; Fadli, Aziz  
 PA L'Oreal, Fr.  
 SO Fr. Demande, 28 pp.  
 CODEN: FRXXBL  
 DT Patent  
 LA French  
 FAN.CNT 1

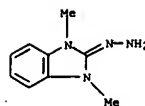
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI FR 2845283	A1	20040409	FR 2002-12360	20021004
FR 2845283	B1	20060505		
EP 1413286	A1	20040428	EP 2003-292454	20031003
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK	A	20021004		

PRAI FR 2002-12360  
 OS MARPAT 140:326607  
 AB A hair dye composition for dyeing of keratinous fibers contains at least a heterocyclic oxidation base and at least a substituted 2,3-diaminopyridine coupler. A hair dye contained 5-methyl-3,7-diaminopyrazolopyrimidine 0.76, 6-methoxy-3-amino-2-[3'-(3'-methylimidazolium)propyl]aminopyridine 1.11, polyglycerol oleyl alc. 9.7, oleic acid 3.0, ethoxylated oleyl amine (Ethomeen 012) 7.0, 55% diethylaminopropyl laurylamino succinate sodium salt 3.09, oleic alc. 5.0, oleic acid diethanolamide 12.0, propylene glycol 3.5, Et alc. 7.0, dipropylene glycol 0.5, propylene glycol monomethyl ether 9.0, 35% sodium metabisulfite aq solution 0.46, ammonium acetate 0.8, antioxidant q.s., sequestrant q.s., perfume q.s., preservatives q.s., and water q.s. 100.0 g.  
 IT 1128-67-2, n-Methyl-benzothiazolone-2-hydrazone 21337-45-1  
 28218-87-3 28219-33-2 28219-40-1  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (hair dye composition comprising at least heterocyclic oxidation base and at least substituted diaminopyridine coupler)  
 RN 1128-67-2. CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)

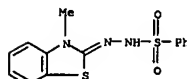


RN 21337-45-1 CAPLUS  
 CN 2H-Benzimidazol-2-one, 1,3-dihydro-1,3-dimethyl-, hydrazone (9CI) (CA INDEX NAME)

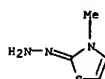
L5 ANSWER 8 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



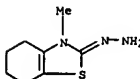
RN 28218-87-3 CAPLUS  
 CN Benzenesulfonic acid, (3-methyl-2(3H)-benzothiazolylidene)hydrazide (9CI) (CA INDEX NAME)



RN 28219-33-2 CAPLUS  
 CN 2(3H)-Thiazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 28219-40-1 CAPLUS  
 CN 2(3H)-Benzothiazolone, 4,5,6,7-tetrahydro-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

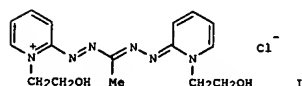


RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2004:17473 CAPLUS  
 DN 140:78506  
 TI Tetraazapentamethine derivatives and their manufacture and application for dyeing keratinous fibers  
 IN Burgaud, Hervé; David, Hervé; Pereira, Rui; Belcour-Castro, Beatrice  
 PA L'Oreal, Fr.  
 SO Eur. Pat. Appl., 49 pp.  
 CODEN: EPXKDW  
 DT Patent  
 LA French  
 FAN.CNT 1

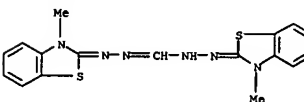
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 1378544	A2	20040107	EP 2003-291678	20030704
EP 1378544	A3	20040225		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
FR 2841901	A1	20040109	FR 2002-8494	20020705
FR 2841901	B1	20060203		
WO 2004005407	A2	20040115	WO 2003-FR2090	20030704
WO 2004005407	A3	20040422		
W: JP, US				
JP 2005532444	T	20051027	JP 2004-518878	20030704
US 2005028300	A1	20050210	US 2004-489855	20040924
PRAI FR 2002-8494	A	20020705		
WO 2003-FR2090	W	20030704		

OS MARPAT 140:78506  
 GI

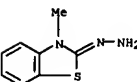


AB Tetraazapentamethine deriva. having 2 heterocyclic rings such as I are manufactured for dyeing of keratinous fibers with colors that are as strong as colors formed by oxidative dyeing using dye precursors and that are completely removable by treatment of the colored fibers with a reducing agent. I is manufacture by reaction of EtOH with 1-(2-hydroxyethyl)-2-pyridone in the presence of alc. oxidase and KH2PO4/K2PO4 at pH 7.  
 IT 109653-96-5P  
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (precursor; tetraazapentamethine deriva. of heterocyclic compds. for dyeing keratinous fibers)  
 RN 109653-96-5 CAPLUS  
 CN Methanehydrazonic acid, (3-methyl-2(3H)-benzothiazolylidene)-, (3-methyl-2(3H)-benzothiazolylidene)hydrazide (9CI) (CA INDEX NAME)

L5 ANSWER 9 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



IT 1128-67-2  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (precursor; tetraazapentamethine deriva. of heterocyclic compds. for dyeing keratinous fibers)  
 RN 1128-67-2 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)

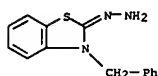


L5 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2003:372764 CAPLUS  
 DN 138:373844  
 TI Hair dyes containing derivatives of 2-benzothiazolinone-hydrazone and p-quinone  
 IN Pasquier, Cecile; Umbricht, Gisela; Buclin-Charriere, Veronique; Oberson, Sylviane; Braun, Hans-Juergen  
 PA Wella AG, Germany  
 SO Ger. Offen., 8 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10155907	A1	20030515	DE 2001-10155907	20011114
WO 2003042199	A1	20030522	WO 2002-EP9381	20020822
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
BR 2002006394	A	20040203	BR 2002-6394	20020822
EP 1448540	A1	20040825	EP 2002-772186	20020822
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
JP 200509034	T	20050407	JP 2003-544035	20020822
US 2004060124	A1	20040401	US 2003-250847	20030714
US 7070625	B2	20060704		
PRAI DE 2001-10155907	A	20011114		
WO 2002-EP9381	W	20020822		

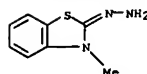
OS MARPAT 138:373844  
 AB The invention concerns hair dyes that contain derivs. of 2-benzothiazolinone-hydrazone and p-quinone; other dyes can be added to the formulations. Thus a hair dye included (g): Plantaren 2000 4.00; EDTA disodium salt hydrate 0.20; ethanol 5.00; 3-methyl-2-benzothiazolinone-hydrazone hydrochloride hydrate 0.59; 4,5-dimethoxy-1,2-benzoquinone 0.41; ethanol 20; water to 100.  
 IT 4338-98-1, 3-Methyl-2-benzothiazolinone-hydrazone hydrochloride 524684-56-8 524684-57-9 524684-58-0  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (hair dyes containing derivs. of 2-benzothiazolinone-hydrazone and p-quinone)  
 RN 4338-98-1 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-methyl-, hydrazone, monohydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



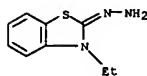
•x HCl

L5 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



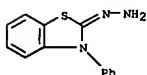
• HCl

RN 524684-56-8 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-ethyl-, hydrazone, hydrochloride (9CI) (CA INDEX NAME)



•x HCl

RN 524684-57-9 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-phenyl-, hydrazone, hydrochloride (9CI) (CA INDEX NAME)



•x HCl

RN 524684-58-0 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-(phenylmethyl)-, hydrazone, hydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 11 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2002:964159 CAPLUS  
 DN 138:28936  
 TI Dyeing composition for keratinous fibers comprising a particular dicationic diazo dye  
 IN Vidal, Laurent  
 PA L'oreal, Fr.  
 SO PCT Int. Appl., 36 pp.  
 CODEN: FIXXD2  
 DT Patent  
 LA French  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002100368	A1	20021219	WO 2002-FR1990	20020611
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2825702	A1	20021213	FR 2001-7614	20010611
FR 2825702	B1	20030808		
EP 1399117	A1	20040324	EP 2002-760357	20020611
EP 1399117	B1	20061102		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2002010997	A	20040608	BR 2002-10997	20020611
CN 1541086	A	20041027	CN 2002-815752	20020611
JP 2005316887	T	20050609	JP 2003-503192	20020611
AT 344090	T	20061115	AT 2002-760357	20020611
US 2004143911	A1	20040729	US 2004-480153	20040324
US 6893471	B2	20050517		
PRAI FR 2001-7614	A	20010611		
WO 2002-FR1990	W	20020611		

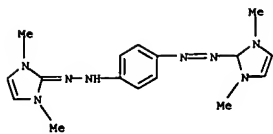
OS MARPAT 138:28936  
 AB The invention concerns a dyeing composition for dyeing keratinous fibers, in particular human keratinous fibers and more particularly hair, comprising a dicationic diazo dye as well as the dyeing method using same.  
 IT 478240-16-3  
 RL: RCT (Reactant); RACT (Reactant or reagent) (dyeing composition for keratinous fibers comprising particular dicationic diazo dye)

RN 478240-16-3 CAPLUS  
 CN 1H-imidazolium, 2-[(4-[(1,3-dihydro-1,3-dimethyl-2H-imidazol-2-ylidene)hydrazino]phenyl)azo]-1,3-dimethyl-, perchlorate (9CI) (CA INDEX NAME)

CM 1

CRN 478240-15-2  
 CMF C16 H21 N8

L5 ANSWER 11 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

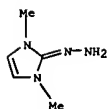


ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

CM 2

CRN 14797-73-0  
CMF C1 04RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 12 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

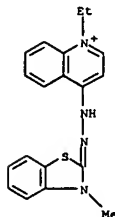


L5 ANSWER 12 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2002:736076 CAPLUS  
DN 137:252685  
TI Novel dyeing compositions for the dyeing of keratin fibers comprising 5-membered heterocyclic hydrazone compounds as an oxidation base  
IN Vidal, Laurent; David, Herve  
PA L'Oreal, Fr.  
SO PCT Int. Appl., 30 pp.  
CODEN: PIXXD2  
DT Patent  
LA French  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002074268	A2	20020926	WO 2002-FR857	20020311
WO 2002074268	A3	20040122		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
FR 2822062	A1	20020920	FR 2001-3538	20010315
FR 2822062	B1	20051202		
AU 2002253222	A1	20021003	AU 2002-253222	20020311
PRAI FR 2001-3538	A	20010315		
WO 2002-FR857	W	20020311		
OS MARPAT 137:252685				
AB	The invention relates to a novel composition that is used for the oxidation dyeing of keratin fibers, in particular human hair, comprising at least one 5-membered heterocyclic hydrazone-type compound as an oxidation base and at least one coupling agent. The invention also relates to the dyeing method using same and to novel 5-membered heterocyclic hydrazone compds. Thus, (1,3-dimethyl-1,3-dihydro-imidazol-2-ylidene)-hydrazone (I) was prepared by the reaction of hydrazine hydrate and 2-methylsulfonyl-1,3-dimethyl-imidazolinium methosulfate (preparation given). Formulation of a hair dye containing I 10-3 mole, and water and excipients q.s. 100 g is disclosed.			
IT 461388-49-8P	RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (hair dye compns. comprising heterocyclic hydrazone compds. as oxidation base)			
RN 461388-49-8	CAPLUS			
CN 2H-imidazol-2-one, 1,3-dihydro-1,3-dimethyl-, hydrazone (9CI) (CA INDEX NAME)				

L5 ANSWER 13 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2002:655964 CAPLUS  
DN 137:190369  
TI Hair dyes containing cationic quinolinium direct dyes  
PA Wella A.-G., Germany  
SO Ger. Gebrauchsmusterschrift, 25 pp.  
CODEN: GGXXFR  
DT Patent  
LA German  
FAN.CNT 1

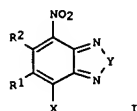
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 20204129	U1	20020829	DE 2002-20204129	20020315
PRAI DE 2002-20204129		20020315		
OS MARPAT 137:190369				
AB	The invention concerns hair dye compns. that contain cationic direct dyes from the group of quinolinium salts. The compns. further contain other direct dyes, e.g. azo dyes, quinone dyes, and triphenylmethanes. Oxidative dyes, oxidation agent, synthetic polymers or modified natural polymers can be included. Thus 4-((4-aminophenyl)amino)-1-ethylquinolinium-tetrafluoroborate was synthesized and used at an amount of 0.01 g in a dye that also included 10.00 g ethanol and 10.00 g water. The dye mixture was diluted with 10% citric acid or 10% ammonia solution for testing the color effects.			
IT 449776-50-5D, salts	RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (hair dyes containing cationic quinolinium direct dyes)			
RN 449776-50-5	CAPLUS			
CN Quinolinium, 1-ethyl-4-((3-methyl-2(3H)-benzothiazolylidene)hydrazino)-(9CI) (CA INDEX NAME)				





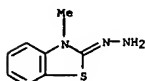
L5 ANSWER 14 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2002:220343 CAPLUS  
 DN 136:267891  
 TI Hair dyes containing benzoxadiazole, benzothiadiazole and benzo-selenadiazole derivatives  
 IN Pasquier, Cecile; Charriere, Veronique; Braun, Hans-Juergen  
 PA Wella Aktiengesellschaft, Germany  
 SO PCT Int. Appl., 44 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA German  
 FAN CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002022093	A1	20020321	WO 2001-EP7494	20010629
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MW, MX, MY, NZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TT, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
DE 10045600	A1	20020404	DE 2000-10045600	20000915
AU 200181924	A	20020326	AU 2001-81924	20010629
BR 2001007215	A	20020709	BR 2001-7215	20010629
EP 1328244	A1	20030723	EP 2001-960429	20010629
EP 1328244	B1	20061011		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 2004508389	T	20040318	JP 2002-526346	20010629
AT 342045	T	20061115	AT 2001-960429	20010629
US 2003070239	A1	20030417	US 2002-110116	20020405
US 6773463	B2	20040810		
PRAI DE 2000-10045600	A	20000915		
WO 2001-EP7494	W	20010629		

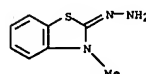


AB The invention relates to an agent for coloring fibers (A) which is produced by mixing two components (A1) and (A2) and is characterized in that the component (A1) contains at least one compound of formula (I), wherein X represents a halogen atom, a methoxy group or an ethoxy group;

L5 ANSWER 15 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1996:661748 CAPLUS  
 DN 126:41963  
 TI Determination of ultratrace amounts of copper(II) by its catalytic effect on the oxidative coupling reaction of 3-methyl-2-benzothiazolinone hydrazone with N-ethyl-N-(2-hydroxy-3-sulfoethyl)-3,5-dimethoxyaniline  
 AU Ohno, Satomi; Teshima, Norio; Watanabe, Tsuyako; Itabashi, Hideyuki; Nakano, Shigenori; Kawashima, Takuji  
 CS Lab. of Analytical Chem., Univ. of Tsukuba, Tsukuba, 305, Japan  
 SO Analyst (Cambridge, United Kingdom) (1996), 121(10), 1515-1518  
 CODEN: ANALAO; ISSN: 0003-2654  
 PB Royal Society of Chemistry  
 DT Journal  
 LA English  
 AB A spectrophotometric method was developed for the determination of ultratrace amts. of Cu(II) based on its catalytic effect of the oxidative coupling reaction of 3-methyl-2-benzothiazolinone hydrazone with N-ethyl-N-(2-hydroxy-3-sulfoethyl)-3,5-dimethoxyaniline to produce an intensely colored dye ( $\lambda_{max} = 525$  nm) in the presence of H<sub>2</sub>O<sub>2</sub>. In this reaction, the pyridine acted as an effective activator for the catalysis of Cu(II). By measuring the absorbance of the dye, Cu(II) can be determined at the 0.002-0.1 ng cm<sup>-3</sup> level. The relative standard deviation for 10 determination of 0.06 ng cm<sup>-3</sup> of Cu(II) was 2.6%. The proposed method was successfully applied to the determination of Cu(II) in tap H<sub>2</sub>O and biol. material.  
 IT 1128-67-2, 3-Methyl-2-benzothiazolinone hydrazone  
 RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses) (determination of ultratrace amts. of copper(II) by its catalytic effect on the oxidative coupling reaction of 3-methyl-2-benzothiazolinone hydrazone with N-ethyl-N-(2-hydroxy-3-sulfoethyl)-3,5-dimethoxyaniline)  
 RN 1128-67-2 CAPLUS  
 CN 2(3H)-Benzothiazolinone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)



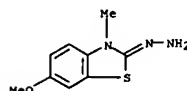
L5 ANSWER 14 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 represents an oxygen atom, a sulfuric atom or a selenium atom; and R1 and R2 can be identical or different and represent independently from each other hydrogen, a halogen atom, an (C1-C4) alkyl group, an (C1-C4) alkoxy group substituted by a halogen atom, an (C1-C4) alkoxy group, a nitro group, an acetamido group or a NRaRb group, whereby the radicals Ra and Rb can be identical or different and represent independently from each other hydrogen, an (C1-C4) alkyl group, an optionally substituted carbocycle or an (C1-C4) alkane carbonyl group, or Ra and Rb form, together with the nitrogen atom, a heterocyclic (C3-C6) group; and the component (A2) contains at least one compd. from the group comprising amines, aminonitrobenzenes and phenols. The invention also relates to a method for coloring hair by using the agent and a multiple component kit. Thus a hair dye was prepd. Component A1 contained (g): 7-chloro-4-nitro-2,1,3-benzoxadiazole 0.5; ethanol 5.0; decylpolyglycoside aq. soln. (Plantaren 2000) 4.0; EDTA sodium salt hydrate 0.2; water to 100. Components A2 was 0.153 g ethanol amine.  
 IT 4338-98-1  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (hair dyes containing benzoxadiazole, benzothiadiazole and benzo-selenadiazole derivs.)  
 RN 4338-98-1 CAPLUS  
 CN 2(3H)-Benzothiazolinone, 3-methyl-, hydrazone, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RE CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

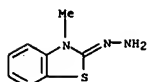
L5 ANSWER 16 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1982:473897 CAPLUS  
 DN 97:73897  
 TI Physicochemical study of phosphorus-containing azo dyes  
 AU Kormachev, V. V.; Chalykh, S. N.; Chalykh, E. A.; Serebryakova, I. K.; Kolmogorova, S. N.  
 CS USSR  
 SO Deposited Doc. (1980), SPSTL 848 khp-D80, 8 pp. Avail.: SPSTL  
 DT Report  
 LA Russian  
 AB A series of 24 azo dyes p-(RO)2P(O)CH<sub>2</sub>NHCH<sub>2</sub>NH<sub>2</sub> (R = Me, ClCH<sub>2</sub>CH<sub>2</sub>, FCH<sub>2</sub>CH<sub>2</sub>; R1 = diazo component residue) was prepared and evaluated for coloristic and fastness properties on various synthetic fibers and wool. The dyes were generally yellow to red, except reddish blue where R1 was a quaternized benzothiazole group, and their fastness was generally best on polyester fibers. The coupling components were prepared by reaction of HP(O)(OR)<sub>2</sub> with PhCH=NPh [538-51-2].  
 IT 58307-12-3  
 RL: RCT (Reactant); RACT (Reactant or reagent) (reaction of, with dialkyl (anilino)benzylphosphonates)  
 RN 58307-12-3 CAPLUS  
 CN 2(3H)-Benzothiazolinone, 6-methoxy-3-methyl-, hydrazone, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

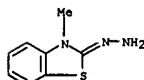
L5 ANSWER 17 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1973:160106 CAPLUS  
 DN 82:160106  
 TI Oxidative hair dye  
 IN Saygin, Ferdi  
 PA Henkel und Cie. G.m.b.H.  
 SO Ger. Offen., 11 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 2334738	A1	19750130	DE 1973-2334738	19730709
PRAI DE 1973-2334738	A	19730709		
GI	For diagram(s), see printed CA Issue.			
AB	Forty-four pairs of I (R = H, Me; R1 = H, Cl, Me, OMe, NMe2) as couplers and several N bases as developers are tabulated. They are used by adding 0.01 mole of each to an emulsion of C12-18 fatty alc. 10, C12-18 Na alkyl sulfate 10, and water 75 weight parts, adding NH3 to pH 9.5, the dye being developed by 1% H2O2 [7722-84-1] in 30 min. A wide range of colors can be produced by emulsions, creams, or gels.			
IT	1128-67-2 RL: BIOL (Biological study) (hair dye developer)			
RN	1128-67-2 CAPLUS			
CN	2(3H)-Benzothiazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)			



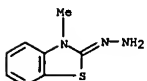
L5 ANSWER 18 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1973:99042 CAPLUS  
 DN 78:99042  
 TI Diazamercocyanine dyes in hair-coloring media  
 IN Lang, Gerard; Bugaut, Andree  
 PA Oreal S. A.  
 SO Ger. Offen., 50 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 2227214	A	19721214	DE 1972-2227214	19720605
FR 2140205	A1	19730112	FR 1972-19934	19720602
FR 2140205	B1	19771223		
CH 560539	A5	19750415	CH 1972-8234	19720602
CA 1021324	A1	19771122	CA 1972-143789	19720602
IT 982408	B	19741021	IT 1972-68758	19720603
GB 1360562	A	19740717	GB 1972-26204	19720605
US 3985499	A	19761012	US 1975-554701	19750303
GB 1491930	A	19771116	GB 1975-35786	19750829
US 4151162	A	19790424	US 1976-707769	19760722
CA 1020463	A2	19771108	CA 1976-258919	19760811
PRAI LU 1971-63287	A	19710604		
LU 1972-64565	A	19720106		
CA 1972-143789	A3	19720602		
GB 1972-26204	A	19720605		
US 1972-259689	A2	19720605		
LU 1974-70835	A	19740830		
US 1975-554701	A3	19750303		
AB	Diazamercocyanine dyes I (R = H, RR1 = CH:CHCH:CH, R1 = H, Me, Ph, R2 = Me, Ph, R3 = substituted 4-imino- or 4-oxo-2,5-cyclohexadien-1-ylidene residue, 1-phenyl-3-methyl-5-oxo-2-pyrazolin-4-ylidene, Q = S, NMe and II and/or their acid salts were prepared and used in hair waving lotions containing cosmetic resins for dyeing hair at pH 3-8. Thus, 4,3-Me(HO)C6H3NH2 and NH4OH in EtOH was added to a solution of 3-methyl-2-benzothiazolinone hydrazone, stirred, and (NH4)2S2O8 was added to give diazamerocyanine dye (III) [39219-05-1]. The other I and II were similarly prepared hair waving lotions were prepared using I and II.			
IT	1128-67-2 RL: USES (Uses) (reaction with aminophenols and related compds.)			
RN	1128-67-2 CAPLUS			
CN	2(3H)-Benzothiazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)			



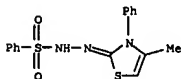
IT 41338-96-9 41338-99-2 41339-01-9

L5 ANSWER 18 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 41339-03-1  
 RL: USES (Uses)  
 (reaction with hydroxybenzomorpholine)  
 RN 41338-96-9 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-methyl-, hydrazone, dihydrochloride (9CI) (CA INDEX NAME)

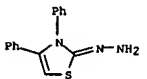


●2 HCl

RN 41338-99-2 CAPLUS  
 CN Benzenesulfonic acid, (4-methyl-3-phenyl-2(3H)-thiazolylidene)hydrazide (9CI) (CA INDEX NAME)

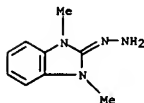


RN 41339-01-9 CAPLUS  
 CN 2(3H)-Thiazolone, 3,4-diphenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 41339-03-1 CAPLUS  
 CN 2H-Benzimidazol-2-one, 1,3-dihydro-1,3-dimethyl-, hydrazone, dihydrochloride (9CI) (CA INDEX NAME)

L5 ANSWER 18 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



●2 HCl

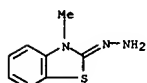
L5 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1970:124993 CAPLUS  
 DN 72:124993  
 TI Oxidative dyes for hair  
 IN Maul, Rudolf; Rehberg, Rolf  
 PA Therachemie Chemisch-Therapeutische G.m.b.H.  
 SO Ger. Offen., 25 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FRAN CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 1922400	A	19691204	DE 1969-1922400	19690502
	DE 1922400	C3	19781123		
	AT 282072	B	19700610	AT 1968-5206	19680530
	FR 1599968	A	19700720	FR 1968-1599968	19681224
	NL 6906270	A	19691202	NL 1969-6270	19690423
	NL 162558	B	19800115		
	NL 162558	C	19800616		
	DK 122006	B	19720103	DK 1969-2231	19690423
	US 3634013	A	19720111	US 1969-827924	19690526
	BE 733731	A	19691128	BE 1969-733731	19690528
	GB 1219035	A	19710113	GB 1969-1219035	19690529
	CH 524369	A	19720630	CH 1969-524369	19690529
PRAI	AT 1968-5206	A	19680530		

AB Hair dye creams are prepared from heterocyclic hydrazones, appropriate couplers and H2O2. For example, 2 parts N-methyl-2-benzothiazolone hydrazone and 1.54 parts 2,4-(H2N)2C6H3OMe were added to an emulsion of fatty alc. 10, fatty alc. sulfate 10 and H2O 70 parts (pH 9.5) and treated with 1 part H2O2 to give a cream. Grey hairs were dyed with the cream at 20° for 30 min in dark brown red shade. Creams similarly prepared were (hydrazone, coupler and shade of dyed hairs given): N-methyl-2-thiazolidone hydrazone, 1,5(HO)2C10H6 (I), brown red; 1,2-dimethyl-3-indazolone hydrazone-HCl (II), I, blue-violet; II, resorcinol, grey-brown.

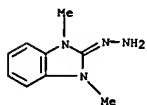
IT 1128-67-2 13545-99-8 20065-04-7  
 20065-05-8 20065-06-9 21337-45-1  
 21817-85-6 28218-87-3 28218-89-5  
 28218-90-8 28218-93-1 28218-95-3  
 28218-96-4 28218-97-5 28219-07-0  
 28219-09-2 28219-33-2 28219-40-1  
 RL: BIOL (Biological study)  
 (dyes, for hair creams)

RN 1128-67-2 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)

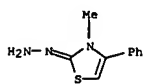


RN 13545-99-8 CAPLUS

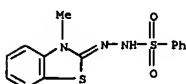
L5 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 CN 2H-Benzimidazol-2-one, 1,3-dihydro-1,3-dimethyl-, hydrazone (9CI) (CA INDEX NAME)



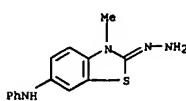
RN 21817-85-6 CAPLUS  
 CN 2(3H)-Thiazolone, 3-methyl-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 28218-87-3 CAPLUS  
 CN Benzenesulfonic acid, (3-methyl-2(3H)-benzothiazolylidene)hydrazide (9CI) (CA INDEX NAME)

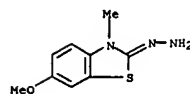


RN 28218-89-5 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-methyl-6-(phenylamino)-, hydrazone (9CI) (CA INDEX NAME)

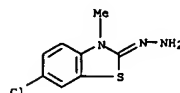


RN 28218-90-8 CAPLUS  
 CN Acetamide, N-(2-hydrazone-2,3-dihydro-3-methyl-6-benzothiazolyl)- (9CI) (CA INDEX NAME)

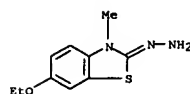
L5 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 CN 2(3H)-Benzothiazolone, 6-methoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



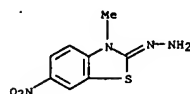
RN 20065-04-7 CAPLUS  
 CN 2(3H)-Benzothiazolone, 6-chloro-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 20065-05-8 CAPLUS  
 CN 2(3H)-Benzothiazolone, 6-ethoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

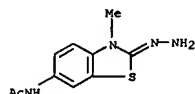


RN 20065-06-9 CAPLUS  
 CN 2(3H)-Benzothiazolone, 3-methyl-6-nitro-, hydrazone (9CI) (CA INDEX NAME)

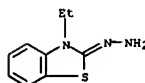


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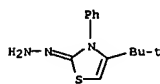
L5 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



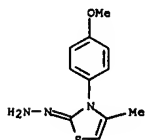
RN 28218-93-1 CAPLUS  
 CN 2(3H)-Thiazolone, 3-ethyl-, hydrazone (9CI) (CA INDEX NAME)



RN 28218-95-3 CAPLUS  
 CN 2(3H)-Thiazolone, 4-(1,1-dimethylethyl)-3-phenyl-, hydrazone (9CI) (CA INDEX NAME)

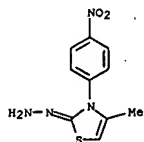


RN 28218-96-4 CAPLUS  
 CN 2(3H)-Thiazolone, 3-(4-methoxyphenyl)-4-methyl-, hydrazone (9CI) (CA INDEX NAME)

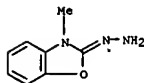


RN 28218-97-5 CAPLUS  
 CN 4-Thiazolin-2-one, 4-methyl-3-(p-nitrophenyl)-, hydrazone (7CI, 8CI) (CA INDEX NAME)

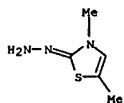
L5 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



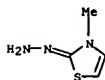
RN 28219-07-0 CAPLUS  
 CN 2(3H)-Benzoxazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 28219-09-2 CAPLUS  
 CN 4-Thiazolin-2-one, 3,5-dimethyl-, hydrazone (8CI) (CA INDEX NAME)



RN 28219-33-2 CAPLUS  
 CN 2(3H)-Thiazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)



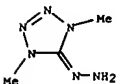
RN 28219-40-1 CAPLUS  
 CN 2(3H)-Benzothiazolone, 4,5,6,7-tetrahydro-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

L5 ANSWER 20 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1962:8098 CAPLUS  
 DN 56:8098  
 OREF 56:1566g-1,1567a  
 TI Basic dyes  
 IN Huenig, Siegfried  
 PA Badische Anilin- & Soda-Fabrik A.-G.  
 DT Patent  
 LA Unavailable

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1102316		19610316	DE 1958-B50447	19580923

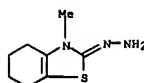
AB Valuable basic dyes for tanned cotton, wool, and polyacrylonitrile fibers are obtained by coupling ring-substituted tetrazolin-5-one hydrazones oxidatively with azo, azomethine, or indophenol dye coupling components. 1-Phenyl-4-methyltetrazole-5-thione quaternized with Me2SO4 and treated with 80% aqueous NH4 and then with HCl, the resulting 1-phenyl-4-methyltetrazol-5-one hydrazone-HCl 11.4 and p-AcNHCH6H4NHPh in MeOH 250 treated during 0.5 hr. with stirring with (NH4)2S2O8 28.0 in H2O 100, stirred 2 hrs., diluted with H2O 500 and concentrated NH4OH 100, and extracted with CHCl3 250, and the extract worked up gave the red anhydride, 18 parts, of the base which can be converted with aqueous NaClO4 to the dye salt. 1-Methyl-5-methylthiotetrazole quaternized with Me2SO4, treated with BzNHNH2, hydrolyzed, and treated with HCl, the resulting 1,4-dimethyltetrazol-5-one hydrazone-HCl 58 and 2,1-PhNH2C(HO)ClOH6 66 in MeOH 7500 and H2O 2500 adjusted with dilute NH4OH to pH 8, treated with stirring with K3Fe(CN)6 340, H2O 1250, and concentrated NH4OH 250, stirred 0.5 hr., diluted with H2O 2500, and filtered, and the light red residue dried and recrystd. from (CH2Cl)2 gave a red dye 48 parts, m. 266-7° (decomposition).  
 IT 88394-91-6, 2-Tetrazolin-5-one, 1,4-dimethyl-, hydrazone hydrochloride  
 (dye from 1-hydroxy-2-naphthanilide and)  
 RN 88394-91-6 CAPLUS  
 CN 2-Tetrazolin-5-one, 1,4-dimethyl-, hydrazone, hydrochloride (7CI) (CA INDEX NAME)



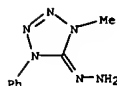
● x HCl

IT 94626-12-7, 2-Tetrazolin-5-one, 1-methyl-4-phenyl-, hydrazone hydrochloride  
 (dye from 4'-anilinoacetanilide and)  
 RN 94626-12-7 CAPLUS  
 CN 2-Tetrazolin-5-one, 1-methyl-4-phenyl-, hydrazone, hydrochloride (7CI)

L5 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



L5 ANSWER 20 OF 20 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

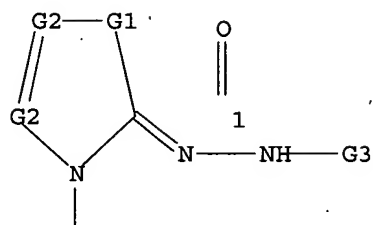


● x HCl

10/579,926

Page 45

=> => d que 16 stat  
L1 STR



G1 O,S,N

G2 C,N

G3 SO<sub>2</sub>,H,[@1]

Structure attributes must be viewed using STN Express query preparation.

L3 2547 SEA FILE=REGISTRY SSS FUL L1

L4 1280 SEA FILE=CAPLUS ABB=ON PLU=ON L3

L5 20 SEA FILE=CAPLUS ABB=ON PLU=ON L4 AND (KERATIN OR HAIR OR  
SILK OR WOOL)

L6 1 SEA FILE=CAPLUS ABB=ON PLU=ON L5 AND ENAMINE

=> d bib abs hitstr

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS ON STN

AN 2005:588631 CAPLUS

DN 143:102802

TI Oxidative hair dyes containing heterocyclical hydrazone

derivatives and aromatic enamines

IN Pasquier, Cecile; Buclin, Veronique; Kiener, Caroline; Duc-Reichlin,

Nadja; Braun, Hans-Juergen

PA Wella Aktiengesellschaft, Germany

SO PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CVT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005060928	A1	20050707	WO 2004-EP12942	20041115
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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10358878	A1	20050721	DE 2003-10358878	20031216
EP 1699427	A1	20060913	EP 2004-797906	20041115
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
US 2007067927	A1	20070329	US 2006-579926	20060519
PRAI DE 2003-10358878	A	20031216		
WO 2004-EP12942	W	20041115		

OS MARPAT 143:102802

AB The invention concerns ready-to-use oxidative hair dyes composed of (i) heterocyclical hydrazones; (ii) aromatic enamines or their acid addition salts; (iii) oxidizing agents. Optionally, direct dyes can be

added. The invention also relates to a multicomponent kit and to a method

for dying hair. Thus 3,4-dimethyl-2(3H)-thiazolone-hydrazone hydrochloride synthesized starting from 4-methyl-3-thiosemicarbazide and chloroacetone. Component A of a hair dye composition contained (g): decylpolyglucose 50% aqueous solution 4.00; EDTA disodium hydrate 0.20;

ethanol

5.00; 3,4-dimethyl-2(3H)-thiazolone-hydrazone hydrochloride 0.43; water to

100. Component B included (g) 1,2,3,3,-tetramethyl-3H-indolium-hydrogen

sulfate 0.68; potassium persulfate.

IT 1128-67-2 3161-77-1 3316-70-9

4338-98-1 15315-48-7 20065-04-7

20065-05-8 20065-06-9 20125-57-9

21817-85-6 21817-86-7 21817-87-8

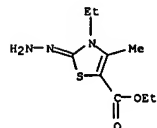
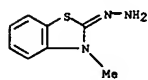
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21817-91-4 21817-92-5 21882-34-8

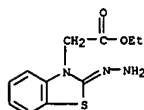
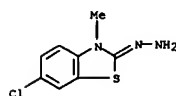
27893-83-0 27893-84-1 27893-86-3

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

CN 5-Thiazolecarboxylic acid, 3-ethyl-2-hydrazono-2,3-dihydro-4-methyl-, ethyl ester (9CI) (CA INDEX NAME)

RN 4338-98-1 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-methyl-, hydrazone, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 15315-48-7 CAPLUS  
CN 3(2H)-Benzothiazoleacetic acid, 2-hydrazono-, ethyl ester (9CI) (CA INDEX NAME)RN 20065-04-7 CAPLUS  
CN 2(3H)-Benzothiazolone, 6-chloro-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

27893-88-5 28029-80-3 28218-89-5

28218-90-8 28218-93-1 28218-95-3

28218-98-2 28218-40-1 33167-57-6

33167-60-1 41339-01-9 51769-42-7

60448-01-3 64071-37-0 64071-38-1

64873-66-1 67644-68-2 67644-69-3

68746-10-1 68746-11-2 71176-53-9

76411-65-9 81402-80-4 94267-69-3

104410-33-5 108129-92-6 109126-25-2

109514-20-7 110226-87-4 110226-89-6

110274-77-6 111427-05-5 111427-06-6

114098-30-5 114252-53-8 117043-63-7

130252-23-2 138485-20-8 138485-21-9

138485-22-0 139262-46-7 157559-65-4

185454-77-7 200630-28-0 215249-36-8

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692250-45-6 718589-95-8 753027-71-3

753027-72-4 753027-75-7 753027-76-8

753027-77-9 753027-78-0 753027-79-1

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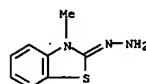
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(oxidative hair dyes contg. heterocyclical hydrazone deriva.

and arom. enamines)

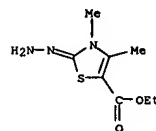
RN 1128-67-2 CAPLUS

CN 2(3H)-Benzothiazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)



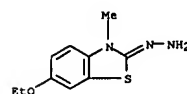
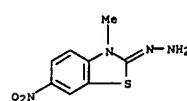
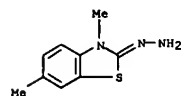
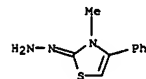
RN 3161-77-1 CAPLUS

CN 5-Thiazolecarboxylic acid, 2-hydrazono-2,3-dihydro-3,4-dimethyl-, ethyl ester (9CI) (CA INDEX NAME)

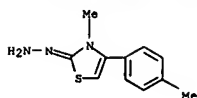


RN 3316-70-9 CAPLUS

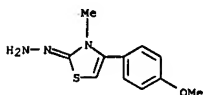
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS ON STN (Continued)

RN 20065-05-8 CAPLUS  
CN 2(3H)-Benzothiazolone, 6-ethoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)RN 20065-06-9 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-methyl-6-nitro-, hydrazone (9CI) (CA INDEX NAME)RN 20125-57-9 CAPLUS  
CN 2(3H)-Benzothiazolone, 3,6-dimethyl-, hydrazone (9CI) (CA INDEX NAME)RN 21817-85-6 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)RN 21817-86-7 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-(4-methylphenyl)-, hydrazone (9CI) (CA INDEX NAME)

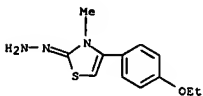
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



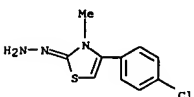
RN 21817-87-8 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-methoxyphenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 21817-88-9 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-ethoxyphenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

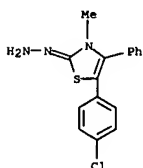


RN 21817-89-0 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-chlorophenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

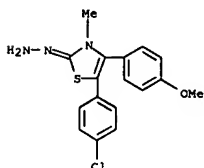


RN 21817-90-3 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-bromophenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

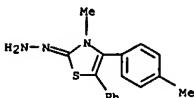
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 27893-84-1 CAPLUS  
CN 2(3H)-Thiazolone, 5-(4-chlorophenyl)-4-(4-methoxyphenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

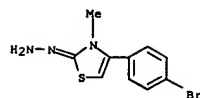


RN 27893-86-3 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-(4-methylphenyl)-5-phenyl-, hydrazone (9CI) (CA INDEX NAME)

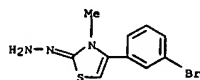


RN 27893-88-5 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-bromophenyl)-3-methyl-5-phenyl-, hydrazone (9CI) (CA INDEX NAME)

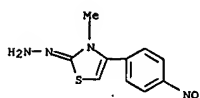
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



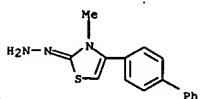
RN 21817-91-4 CAPLUS  
CN 2(3H)-Thiazolone, 4-(3-bromophenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 21817-92-5 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4-(4-nitrophenyl)-, hydrazone (9CI) (CA INDEX NAME)

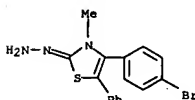


RN 21882-34-8 CAPLUS  
CN 2(3H)-Thiazolone, 4-[1,1'-biphenyl]-4-yl-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

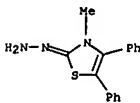


RN 27893-83-0 CAPLUS  
CN 2(3H)-Thiazolone, 5-(4-chlorophenyl)-3-methyl-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)

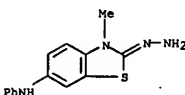
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



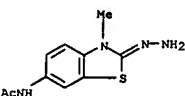
RN 28029-80-3 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 28218-89-5 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-methyl-6-(phenylamino)-, hydrazone (9CI) (CA INDEX NAME)

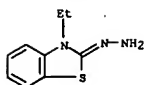


RN 28218-90-8 CAPLUS  
CN Acetamide, N-(2-hydrazono-2,3-dihydro-3-methyl-6-benzothiazolyl)- (9CI) (CA INDEX NAME)

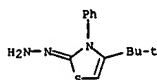


RN 28218-93-1 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-ethyl-, hydrazone (9CI) (CA INDEX NAME)

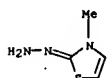
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



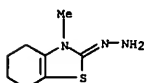
RN 28218-95-3 CAPLUS  
CN 2(3H)-Thiazolone, 4-[(1,1-dimethylethyl)-3-phenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 28219-33-2 CAPLUS  
CN 2(3H)-Thiazolone, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)

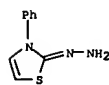


RN 28219-40-1 CAPLUS  
CN 2(3H)-Benzothiazolone, 4,5,6,7-tetrahydro-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

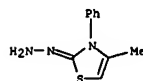


RN 33167-57-6 CAPLUS  
CN 2(3H)-Thiazolone, 3-phenyl-, hydrazone (9CI) (CA INDEX NAME)

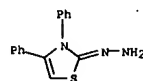
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



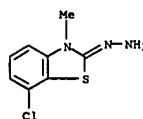
RN 33167-60-1 CAPLUS  
CN 2(3H)-Thiazolone, 4-methyl-3-phenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 41339-01-9 CAPLUS  
CN 2(3H)-Thiazolone, 3,4-diphenyl-, hydrazone (9CI) (CA INDEX NAME)

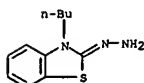


RN 51769-42-7 CAPLUS  
CN 2(3H)-Benzothiazolone, 7-chloro-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

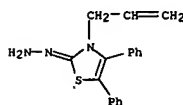


RN 60448-01-3 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-butyl-, hydrazone (9CI) (CA INDEX NAME)

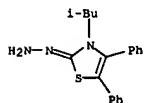
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



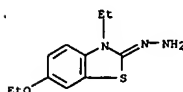
RN 64071-37-0 CAPLUS  
CN 2(3H)-Thiazolone, 4,5-diphenyl-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)



RN 64071-38-1 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-methylpropyl)-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)

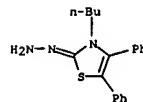


RN 64873-66-1 CAPLUS  
CN 2(3H)-Benzothiazolone, 6-ethoxy-3-ethyl-, hydrazone (9CI) (CA INDEX NAME)

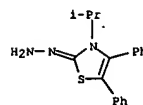


RN 67644-68-2 CAPLUS  
CN 2(3H)-Thiazolone, 3-butyl-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)

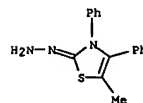
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



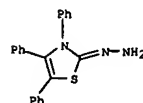
RN 67644-69-3 CAPLUS  
CN 2(3H)-Thiazolone, 3-(1-methylethyl)-4,5-diphenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 68746-10-1 CAPLUS  
CN 2(3H)-Thiazolone, 5-methyl-3,4-diphenyl-, hydrazone (9CI) (CA INDEX NAME)



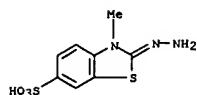
RN 68746-11-2 CAPLUS  
CN 2(3H)-Thiazolone, 3,4,5-triphenyl-, hydrazone (9CI) (CA INDEX NAME)



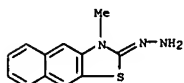
RN 71176-53-9 CAPLUS  
CN 6-Benzothiazolesulfonic acid, 2-hydrazone-2,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)



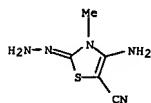
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



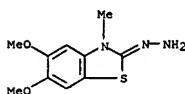
RN 76411-65-9 CAPLUS  
CN Naphtho[2,3-d]thiazol-2(3H)-one, 3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 81402-80-4 CAPLUS  
CN 5-Thiazolcarbonitrile, 4-amino-2-hydrazono-2,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)

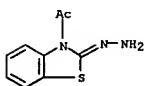


RN 94267-69-3 CAPLUS  
CN 2(3H)-Benzothiazolone, 5,6-dimethoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

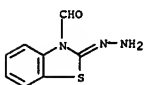


RN 104410-33-5 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-propyl-, hydrazone (9CI) (CA INDEX NAME)

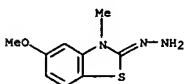
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



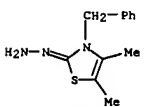
RN 110226-89-6 CAPLUS  
CN 3(2H)-Benzothiazolecarboxaldehyde, 2-hydrazono- (9CI) (CA INDEX NAME)



RN 110274-77-6 CAPLUS  
CN 2(3H)-Benzothiazolone, 5-methoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

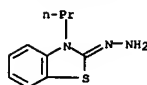


RN 111427-05-5 CAPLUS  
CN 2(3H)-Thiazolone, 4,5-dimethyl-3-(phenylmethyl)-, hydrazone (9CI) (CA INDEX NAME)

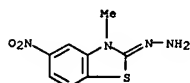


RN 111427-06-6 CAPLUS  
CN 2(3H)-Thiazolone, 3-ethyl-4,5-dimethyl-, hydrazone (9CI) (CA INDEX NAME)

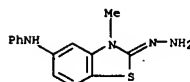
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



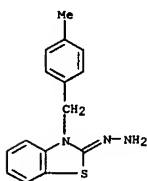
RN 108129-92-6 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-methyl-5-nitro-, hydrazone (9CI) (CA INDEX NAME)



RN 109126-25-2 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-methyl-5-(phenylamino)-, hydrazone (9CI) (CA INDEX NAME)

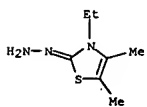


RN 109514-20-7 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-[(4-methylphenyl)methyl]-, hydrazone (9CI) (CA INDEX NAME)

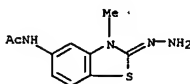


RN 110226-87-4 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-acetyl-, 2-hydrazono (9CI) (CA INDEX NAME)

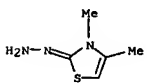
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



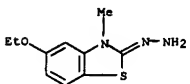
RN 114098-30-5 CAPLUS  
CN Acetamide, N-(2-hydrazono-2,3-dihydro-3-methyl-5-benzothiazolyl)- (9CI) (CA INDEX NAME)



RN 114252-53-8 CAPLUS  
CN 2(3H)-Thiazolone, 3,4-dimethyl-, hydrazone (9CI) (CA INDEX NAME)

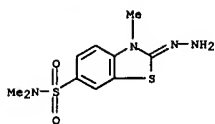


RN 117043-63-7 CAPLUS  
CN 2(3H)-Benzothiazolone, 5-ethoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

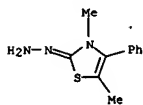


RN 130252-23-2 CAPLUS  
CN 6-Benzothiazolesulfonamide, 2-hydrazono-2,3-dihydro-N,N,3-trimethyl- (9CI) (CA INDEX NAME)

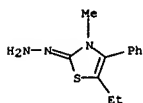
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



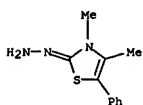
RN 138485-20-8 CAPLUS  
CN 2(3H)-Thiazolone, 3,5-dimethyl-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 138485-21-9 CAPLUS  
CN 2(3H)-Thiazolone, 5-ethyl-3-methyl-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)

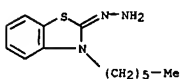


RN 138485-22-0 CAPLUS  
CN 2(3H)-Thiazolone, 3,4-dimethyl-5-phenyl-, hydrazone (9CI) (CA INDEX NAME)

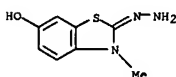


RN 139262-46-7 CAPLUS  
CN 2(3H)-Thiazolone, 4,5-diphenyl-3-propyl-, hydrazone (9CI) (CA INDEX NAME)

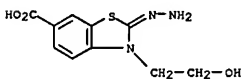
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



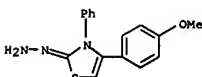
RN 382627-87-4 CAPLUS  
CN 2(3H)-Benzothiazolone, 6-hydroxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



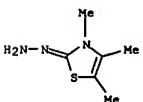
RN 383411-41-4 CAPLUS  
CN 6-Benzothiazolecarboxylic acid, 2-hydrazono-2,3-dihydro-3-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



RN 676475-28-8 CAPLUS  
CN 2(3H)-Thiazolone, 4-(4-methoxyphenyl)-3-phenyl-, hydrazone (9CI) (CA INDEX NAME)

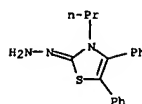


RN 692250-45-6 CAPLUS  
CN 2(3H)-Thiazolone, 3,4,5-trimethyl-, hydrazone (9CI) (CA INDEX NAME)

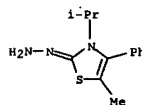


RN 718589-95-8 CAPLUS

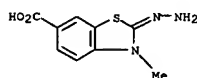
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



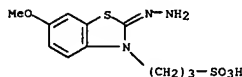
RN 157559-65-4 CAPLUS  
CN 2(3H)-Thiazolone, 5-methyl-3-(1-methylethyl)-4-phenyl-, hydrazone (9CI) (CA INDEX NAME)



RN 185454-77-7 CAPLUS  
CN 6-Benzothiazolecarboxylic acid, 2-hydrazono-2,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)

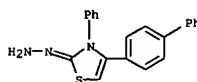


RN 200630-28-0 CAPLUS  
CN 3(2H)-Benzothiazolepropanesulfonic acid, 2-hydrazono-6-methoxy- (9CI) (CA INDEX NAME)

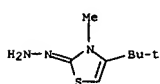


RN 215249-36-8 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-hexyl-, hydrazone (9CI) (CA INDEX NAME)

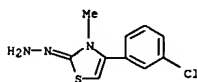
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
CN 2(3H)-Thiazolone, 4-[1,1'-biphenyl]-4-yl-3-phenyl-, hydrazone (9CI) (CA INDEX NAME)



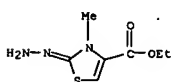
RN 753027-71-3 CAPLUS  
CN 2(3H)-Thiazolone, 4-(1,1-dimethylethyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 753027-72-4 CAPLUS  
CN 2(3H)-Thiazolone, 4-(3-chlorophenyl)-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

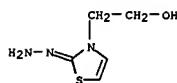


RN 753027-75-7 CAPLUS  
CN 4-Thiazolecarboxylic acid, 2-hydrazono-2,3-dihydro-3-methyl-, ethyl ester (9CI) (CA INDEX NAME)

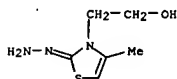


RN 753027-76-8 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-hydroxyethyl)-, hydrazone (9CI) (CA INDEX NAME)

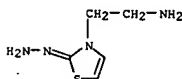
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



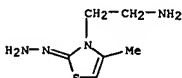
RN 753027-77-9 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-hydroxyethyl)-4-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 753027-78-0 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-aminoethyl)-, hydrazone (9CI) (CA INDEX NAME)

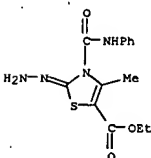


RN 753027-79-1 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-aminoethyl)-4-methyl-, hydrazone (9CI) (CA INDEX NAME)

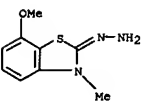


RN 753027-81-5 CAPLUS  
CN 2(3H)-Thiazolone, 3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)

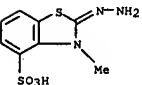
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



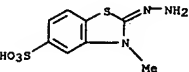
RN 753027-86-0 CAPLUS  
CN 2(3H)-Benzothiazolone, 7-methoxy-3-methyl-, hydrazone (9CI) (CA INDEX NAME)



RN 753027-87-1 CAPLUS  
CN 4-Benzothiazolesulfonic acid, 2-hydrazono-2,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)

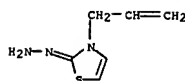


RN 753027-88-2 CAPLUS  
CN 5-Benzothiazolesulfonic acid, 2-hydrazono-2,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)

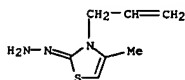


RN 753027-89-3 CAPLUS  
CN 7-Benzothiazolesulfonic acid, 2-hydrazono-2,3-dihydro-3-methyl- (9CI) (CA INDEX NAME)

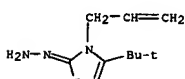
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



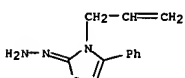
RN 753027-82-6 CAPLUS  
CN 2(3H)-Thiazolone, 4-methyl-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)



RN 753027-83-7 CAPLUS  
CN 2(3H)-Thiazolone, 4-(1,1-dimethylethyl)-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)

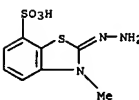


RN 753027-84-8 CAPLUS  
CN 2(3H)-Thiazolone, 4-phenyl-3-(2-propenyl)-, hydrazone (9CI) (CA INDEX NAME)

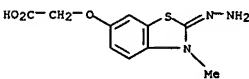


RN 753027-85-9 CAPLUS  
CN 5-Thiazolecarboxylic acid, 2-hydrazono-2,3-dihydro-4-methyl-3-[(phenylamino)carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)

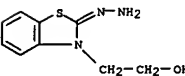
L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



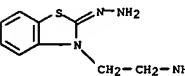
RN 753027-90-6 CAPLUS  
CN Acetic acid, [(2-hydrazono-2,3-dihydro-3-methyl-6-benzothiazolyl)oxy]- (9CI) (CA INDEX NAME)



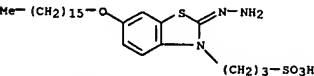
RN 753027-91-7 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-(2-hydroxyethyl)-, hydrazone (9CI) (CA INDEX NAME)



RN 753027-92-8 CAPLUS  
CN 2(3H)-Benzothiazolone, 3-(2-aminoethyl)-, hydrazone (9CI) (CA INDEX NAME)

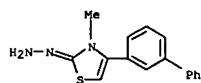


RN 753027-94-0 CAPLUS  
CN 3(2H)-Benzothiazolepropanesulfonic acid, 6-(hexadecyloxy)-2-hydrazono- (9CI) (CA INDEX NAME)

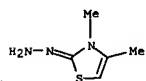


RN 856415-54-8 CAPLUS  
CN 2(3H)-Thiazolone, 4-[1,1'-biphenyl]-3-yl-3-methyl-, hydrazone (9CI) (CA INDEX NAME)

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
INDEX NAME)

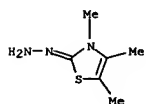


IT 68746-04-3P 68746-06-5P  
RL: COS (Cosmetic use); PRP (Properties); SPN (Synthetic preparation);  
BIOL (Biological study); PREP (Preparation); USES (Uses)  
(oxidative hair dyes containing heterocyclical hydrazone derivs.  
and aromatic enamines)  
RN 68746-04-3 CAPLUS  
CN 2(3H)-Thiazolone, 3,4-dimethyl-, hydrazone, hydrochloride (9CI) (CA  
INDEX NAME)



●x HCl

RN 68746-06-5 CAPLUS  
CN 2(3H)-Thiazolone, 3,4,5-trimethyl-, hydrazone, hydrochloride (9CI) (CA  
INDEX NAME)



●x HCl

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

=> => d que l13 stat

L7	32	SEA FILE=CAPLUS	ABB=ON	PLU=ON	"PASQUIER CECILE"/AU
L8	9	SEA FILE=CAPLUS	ABB=ON	PLU=ON	"BUCLIN VERONIQUE"/AU
L9	11	SEA FILE=CAPLUS	ABB=ON	PLU=ON	"KIENER CAROLINE"/AU
L10	9	SEA FILE=CAPLUS	ABB=ON	PLU=ON	("DUC REICHLIN NADIA"/AU OR "DUC REICHLIN NADJA"/AU)
L11	142	SEA FILE=CAPLUS	ABB=ON	PLU=ON	"BRAUN HANS JUERGEN"/AU
L12	158	SEA FILE=CAPLUS	ABB=ON	PLU=ON	L7 OR L8 OR L9 OR L10 OR L11
L13	8	SEA FILE=CAPLUS	ABB=ON	PLU=ON	L12 AND HYDRAZONE

=> d 1-8 bib abs

L13 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2006:922183 CAPLUS  
 DN 143:320760  
 TI Heterocyclic hydrazone and quinone compositions for coloring keratin fibers  
 IN Pasquier, Cecile; Duc-Reichlin, Nadia; Braun, Hans-Jurgen  
 PA The Procter & Gamble Company, USA; Wella Aktien Gesellschaft  
 SO PCT Int. Appl., 30pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2006094217	A2	20060908	WO 2006-US7685	20060302
WO 2006094217	A3	20070308		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, ME, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MM, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
EP 1754514	A1	20070221	EP 2005-4620	20050303
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, LV, MK, YU			
US 2007000073	A1	20070104	US 2006-366233	20060302
PRAI EP 2005-4620	A	20050303		

OS MARPAT 143:320760  
 GI The present invention provides an agent for coloring keratin fibers which comprises at least one heterocyclic hydrazone derivative and at least one ortho-quinone of the formula or para-quinone of the formula and a method of coloring hair using this agent. A first component of a composition contained 3,4-dimethyl-2(3H)-thiazolone hydrazone-HCl and a second component contained 4,5-dimethoxy-3,5-cyclohexadiene-1,2-dione. This composition gave an intense red color to hair.

L13 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2005:979707 CAPLUS  
 DN 143:287904  
 TI Cationic heteroaryl azine dyes and colorants for keratin fibers containing said compounds.  
 IN Speckbacher, Markus; Braun, Hans-Jurgen  
 PA Wella Aktiengesellschaft, Germany  
 SO PCT Int. Appl., 48 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA German  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005083009	A1	20050909	WO 2004-EP13705	20041202
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RW:	BW, GH, GM, KE, LS, MM, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
DE 102004009782	A1	20050915	DE 2004-102004009782	20040228
EP 1718705	A1	20061108	EP 2004-803447	20041202
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PRAI DE 2004-102004009782	A	20040228		
WO 2004-EP13705	W	20041202		
OS MARPAT 143:287904				
GI				



AB Cationic heteroaryl azine dyes I and II (R1 - R4 = optionally substituted heteroaryl) useful for non-oxidative dyeing keratin fibers, especially hair are prepared by condensation of hydrazons with heterocyclic aldehydes and alkylation (quaternization) of the resulting compds. Thus, 1-(2-hydroxyethyl)-3-[(2)-[(2E)-2-(3-methyl-1,3-benzothiazol-2(3H)-ylidene)hydrazono]methyl]pyridinium bromide prepared by quaternizing nicotinaldehyde[(2E)-3-methyl-1,3-benzothiazol-2(3H)-ylidene] hydrazone [prepared by reacting 1.50 g of 2,3-dihydro-3-methyl-2-benzothiazolone hydrazone hydrochloride with 0.69 g of 3-pyridinecarboxaldehyde in acetic acid at room temperature] with bromomethanol

L13 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 in AcCN is used for dyeing hair in light yellow color in non-oxidative compn. contg. 2.5 mmol of this dye, 5.0 g of ethanol, 4.0 g of decyl polyglucose, 0.2 g of ethylenediamine tetraacetic acid disodium salt hydrate and 100 g of water.  
 RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2005:588631 CAPLUS  
 DN 143:102802  
 TI Oxidative hair dyes containing heterocyclic hydrazone derivatives and aromatic enamines  
 IN Pasquier, Cecile; Buclin, Veronique; Kiener, Caroline; Duc-Reichlin, Nadja; Braun, Hans-Jurgen  
 PA Wella Aktiengesellschaft, Germany  
 SO PCT Int. Appl., 45 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA German  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005060928	A1	20050707	WO 2004-EP12942	20041115
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RW:	BW, GH, GM, KE, LS, MM, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
DE 10358878	A1	20050721	DE 2003-10358878	20031216
EP 1699427	A1	20060913	EP 2004-797906	20041115
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS			
US 2007067927	A1	20070329	US 2006-579926	20060519
PRAI DE 2003-10358878	A	20031216		
WO 2004-EP12942	W	20041115		
OS MARPAT 143:102802				
AB	The invention concerns ready-to-use oxidative hair dyes composed of (i) heterocyclic hydrazone; (ii) aromatic enamines or their acid addition salts; (iii) oxidizing agents. Optionally, direct dyes can be added. The invention also relates to a multicomponent kit and to a method for dyeing hair. Thus 3,4-dimethyl-2(3H)-thiazolone-hydrazone hydrochloride synthesized starting from 4-methyl-3-thiosemicarbazide and chloroacetone. Component A of a hair dye composition contained (g): decylpolyglucose 50% aqueous solution 4.00; EDTA disodium hydrate 0.20; ethanol 5.00; 3,4-dimethyl-2(3H)-thiazolone-hydrazone hydrochloride 0.43; water to 100. Component B included (g) 1,2,3,3-tetramethyl-3H-indolium-hydrogen sulfate 0.68; potassium persulfate.			
RE.CNT 4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L13 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2005:588629 CAPLUS  
DN 143:102801  
TI Oxidative hair dyes containing heterocyclical hydrazone derivatives  
IN Pasquier, Cecile; Buclin, Veronique; Kiener, Caroline; Duc-Reichlin, Nadja; Braun, Hans-Juergen  
PA Wella Aktiengesellschaft, Germany  
SO PCT Int. Appl., 43 pp.  
CODEN: PIXXD2  
DT Patent  
LA German  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005060927	A1	20050707	WO 2004-EP12941	20041115
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10358883	A1	20050721	DE 2003-10358883	20031216
EP 1699426	A1	20060913	EP 2004-797905	20041115
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
PRAI DE 2003-10358883	A	20031216		
WO 2004-EP12941	W	20041115		
OS MARPAT 143:102801				
AB The invention concerns oxidative hair dyes composed of (i) heterocyclical hydrazone derivs.; (ii) CH-active compds.; (iii) oxidizing agents. Optionally, direct dyes can be added. Thus				
3,4-dimethyl-2(3H)-thiazolone-hydrazone hydrochloride synthesized starting from 4-methyl-3-thiosemicarbazide and chloroacetone. Component A of a hair dye composition contained (g): decylpolyglucose 50% aqueous solution 4.00; EDTA disodium hydrate 0.20; ethanol 5.00; 3,4-dimethyl-2(3H)-thiazolone-hydrazone hydrochloride 0.43; water to 100. Component B included (g): thiobarbituric acid 0.36; potassium persulfate 0.40.				
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD				
ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L13 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2004:755999 CAPLUS  
DN 141:248369  
TI Oxidative hair dyes with bleaching agent containing hydrazone compounds as developing agents  
IN Pasquier, Cecile; Buclin, Veronique; Kiener, Caroline; Roulin, Anita; Braun, Hans-Juergen  
PA Wella Ag, Germany  
SO Ger. Offen., 15 pp.  
CODEN: GWXXBX  
DT Patent  
LA German  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 10309523	A1	20040916	DE 2003-10309523	20030305
WO 2004078153	A1	20040916	WO 2004-EP961	20040203
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1599179	A1	20051130	EP 2004-707512	20040203
EP 1599179	B1	20061011		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2004008011	A	20060928	BR 2004-8011	20040203
JP 2006522031	T	20060928	JP 2006-504408	20040203
AT 342039	T	20061115	AT 2004-707512	20040203
US 2006010616	T	20060119	US 2005-529978	20050324
PRAI DE 2003-10309523	A	20030305		
WO 2004-EP961	W	20040203		
OS MARPAT 141:248369				
AB The invention concerns hair preps. for simultaneous bleaching and dyeing: the compns. include as developing agents thiazole, oxazole, imidazole, benzoxazole derivs. of hydrazone; further ingredients are coupling dyes and a persulfate as oxidation/bleaching agent. Thus 3,4-dimethyl-2(3H)-thiazolone-1-(methylethylidene)-hydrazone was prepared by reacting 21 g 4-methyl-3-thiosemicarbazide with 20.4 g chloroacetone in acetone at b.p. under reflux. The product was recrystd. from acetone; 23 orange powder was obtained. 3.5 g of the 3,4-dimethyl-2(3H)-thiazolone-1-(methylethylidene)-hydrazone was treated with 60 mL 6 M HCl at 50°C for 30 min; the reaction product was concentrated and recrystd. from ethanol to yield 2 g pink 3,4-dimethyl-2(3H)-thiazolone-hydrazone hydrochloride. A hair dye composition included (g): component A1: Plantaren 2000 (50% solution) 4.00; EDTA disodium salt 0.20; ethanol 5.00; 3,4-dimethyl-2(3H)-thiazolone-hydrazone hydrochloride hydrate 0.58; water to 100; component A2: 1,3-diaminobenzene 0.27; potassium persulfate 0.67.				

L13 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2004:755999 CAPLUS  
DN 141:265567  
TI Oxidative hair dyes with bleaching agent containing hydrazone compounds as developing agents  
IN Pasquier, Cecile; Kiener, Caroline; Braun, Hans-Juergen  
PA Wella Ag, Germany  
SO Ger. Offen., 15 pp.  
CODEN: GWXXBX  
DT Patent  
LA German  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 10309522	A1	20040916	DE 2003-10309522	20030305
WO 2004078152	A1	20040916	WO 2004-EP816	20040130
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
BR 2004005649	A	20050719	BR 2004-5649	20040130
EP 1601335	A1	20051207	EP 2004-706670	20040130
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006519240	T	20060824	JP 2006-504402	20040130
US 2006162096	A1	20060727	US 2005-530065	20050324
PRAI DE 2003-10309522	A	20030305		
WO 2004-EP816	W	20040130		
OS MARPAT 141:265567				
AB The invention concerns hair preps. for simultaneous bleaching and dyeing: the compns. include as developing agents thiazole, oxazole, imidazole, benzothiazole, benzoxazole, triazole and thiadiazole derivs. of hydrazone; further ingredients are coupling dyes and a persulfate as oxidation/bleaching agent. Thus 3,4-dimethyl-2(3H)-thiazolone-1-(methylethylidene)-hydrazone was prepared by reacting 21 g 4-methyl-3-thiosemicarbazide with 20.4 g chloroacetone in acetone at b.p. under reflux. The product was recrystd. from acetone; 23 orange powder was obtained. 3.5 g of the 3,4-dimethyl-2(3H)-thiazolone-1-(methylethylidene)-hydrazone was treated with 60 mL 6 M HCl at 50°C for 30 min; the reaction product was concentrated and recrystd. from ethanol to yield 2 g pink 3,4-dimethyl-2(3H)-thiazolone-hydrazone hydrochloride. A hair dye composition included (g): component A1: Plantaren 2000 (50% solution) 4.00; EDTA disodium salt 0.20; ethanol 5.00; 3,4-dimethyl-2(3H)-thiazolone-hydrazone hydrochloride hydrate 0.58; water to 100; component A2: 1,3-diaminobenzene 0.27; potassium persulfate 0.67.				

L13 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2004:755999 CAPLUS  
DN 141:248368  
TI Oxidative hair dyes with bleaching agent containing thiazole hydrazone compounds as developing agents  
IN Pasquier, Cecile; Kiener, Caroline; Braun, Hans-Juergen  
PA Wella Ag, Germany  
SO Ger. Offen., 17 pp.  
CODEN: GWXXBX  
DT Patent  
LA German  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 10309521	A1	20040916	DE 2003-10309521	20030305
WO 2004078151	A1	20040916	WO 2004-EP815	20040130
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
BR 2004006182	A	20050719	BR 2004-6182	20040130
EP 1599178	A1	20051130	EP 2004-706649	20040130
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006519239	T	20060824	JP 2006-504401	20040130
US 2006070190	A1	20060406	US 2005-529979	20050324
PRAI DE 2003-10309521	A	20030305		
WO 2004-EP815	W	20040130		
OS MARPAT 141:248368				
AB The invention concerns the synthesis of thiazole hydrazone compds. and their use in oxidative hair dyes as developing agents; the hair dye compns. further include a coupling dye and a persulfate as oxidation/bleaching agent. Thus 3,4-dimethyl-2(3H)-thiazolone-1-(methylethylidene)-hydrazone was prepared by reacting 21 g 4-methyl-3-thiosemicarbazide with 20.4 g chloroacetone in acetone at b.p. under reflux. The product was recrystd. from acetone; 23 orange powder was obtained. A hair dye composition included (g): component A1: Plantaren 2000 (50% solution) 4.00; EDTA disodium salt 0.20; ethanol 5.00; 3,4-dimethyl-2(3H)-thiazolone-1-(methylethylidene)-hydrazone 0.46; water to 100; component A2: 1,3-diaminobenzene 0.27; potassium persulfate 0.80.				

L13 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2003:372764 CAPLUS

DN 138:373844

TI Hair dyes containing derivatives of 2-benzothiazolinone-hydrazone and p-quinone

IN Pasquier, Cecile; Umbricht, Gisela; Buclin-Charriere, Veronique; Oberson, Sylviane; Braun, Hans-Juergen

PA Wella AG, Germany

SO Ger. Offen., 8 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10155907	A1	20030515	DE 2001-10155907	20011114
WO 2003042199	A1	20030522	WO 2002-EP9381	20020822
<p>W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW</p> <p>RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG</p>				
BR 2002006394	A	20040203	BR 2002-6394	20020822
EP 1448540	A1	20040825	EP 2002-772186	20020822
<p>R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK</p>				
JP 200509034	T	20050407	JP 2003-544035	20020822
US 2004060124	A1	20040401	US 2003-250847	20030714
US 7070625	B2	20060704		
PRAL DE 2001-10155907	A	20011114		
WO 2002-EP9381	W	20020822		

OS MARPAT 138:373844

AB The invention concerns hair dyes that contain derivs. of 2-benzothiazolinone-hydrazone and p-quinone; other dyes can be added to the formulations. Thus a hair dye included (g): Plantaren 2000 4.00; EDTA disodium salt hydrate 0.20; ethanol 5.00; 3-methyl-2-benzothiazolinone-hydrazone hydrochloride hydrate 0.59; 4,5-dimethoxy-1,2-benzoquinone 0.41; ethanol 20; water to 100.



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(FILE 'HOME' ENTERED AT 14:46:35 ON 09 APR 2007)

FILE 'REGISTRY' ENTERED AT 14:46:47 ON 09 APR 2007

L1 STRUCTURE UPLOADED

L2 50 SEA SSS SAM L1

L3 2547 SEA SSS FUL L1

FILE 'CAPLUS' ENTERED AT 14:47:55 ON 09 APR 2007

L4 1280 SEA ABB=ON PLU=ON L3

L5 20 SEA ABB=ON PLU=ON L4 AND (KERATIN OR HAIR OR SILK OR WOOL)

D QUE L5 STAT

D 1-20 BIB ABS HITSTR

D 12 IND

L6 1 SEA ABB=ON PLU=ON L5 AND ENAMINE

D QUE L6 STAT

D BIB ABS HITSTR

E PASQUIER CECILE/AU

L7 32 SEA ABB=ON PLU=ON "PASQUIER CECILE"/AU

E BUCLIN VERONIQUE/AU

L8 9 SEA ABB=ON PLU=ON "BUCLIN VERONIQUE"/AU

E KIENER CAROLINE/AU

L9 11 SEA ABB=ON PLU=ON "KIENER CAROLINE"/AU

E DUC REICHLIN NADJA/AU

L10 9 SEA ABB=ON PLU=ON ("DUC REICHLIN NADIA"/AU OR "DUC REICHLIN NADJA"/AU)

E BRAUN HANS JUERGEN/AU

L11 142 SEA ABB=ON PLU=ON "BRAUN HANS JUERGEN"/AU

L12 158 SEA ABB=ON PLU=ON L7 OR L8 OR L9 OR L10 OR L11

L13 8 SEA ABB=ON PLU=ON L12 AND HYDRAZONE

D QUE L13 STAT

D 1-8 BIB ABS

FILE HOME

FILE REGISTRY

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DICTIONARY FILE UPDATES: 8 APR 2007 HIGHEST RN 929518-97-8

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-22.62	-22.62

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